PLANS, ELEVATIONS, SECTIONS, &c.

SHEWING THE RESULTS OF THE

EXCAVATIONS AT JERUSALEM, 1867-70

EXECUTED FOR

THE COMMITTEE OF THE PALESTINE EXPLORATION FUND

BY CAPTAIN CHARLES WARREN, R.E.

Assisted by

SERJEANT H. BIRTLES, CORPORAL J. DUNCAN, CORPORAL J. A. HANSON,
CORPORAL R. TURNER, " D. MACKENZIE, " J. COCK,
" C. ELLIS

CONTENTS.

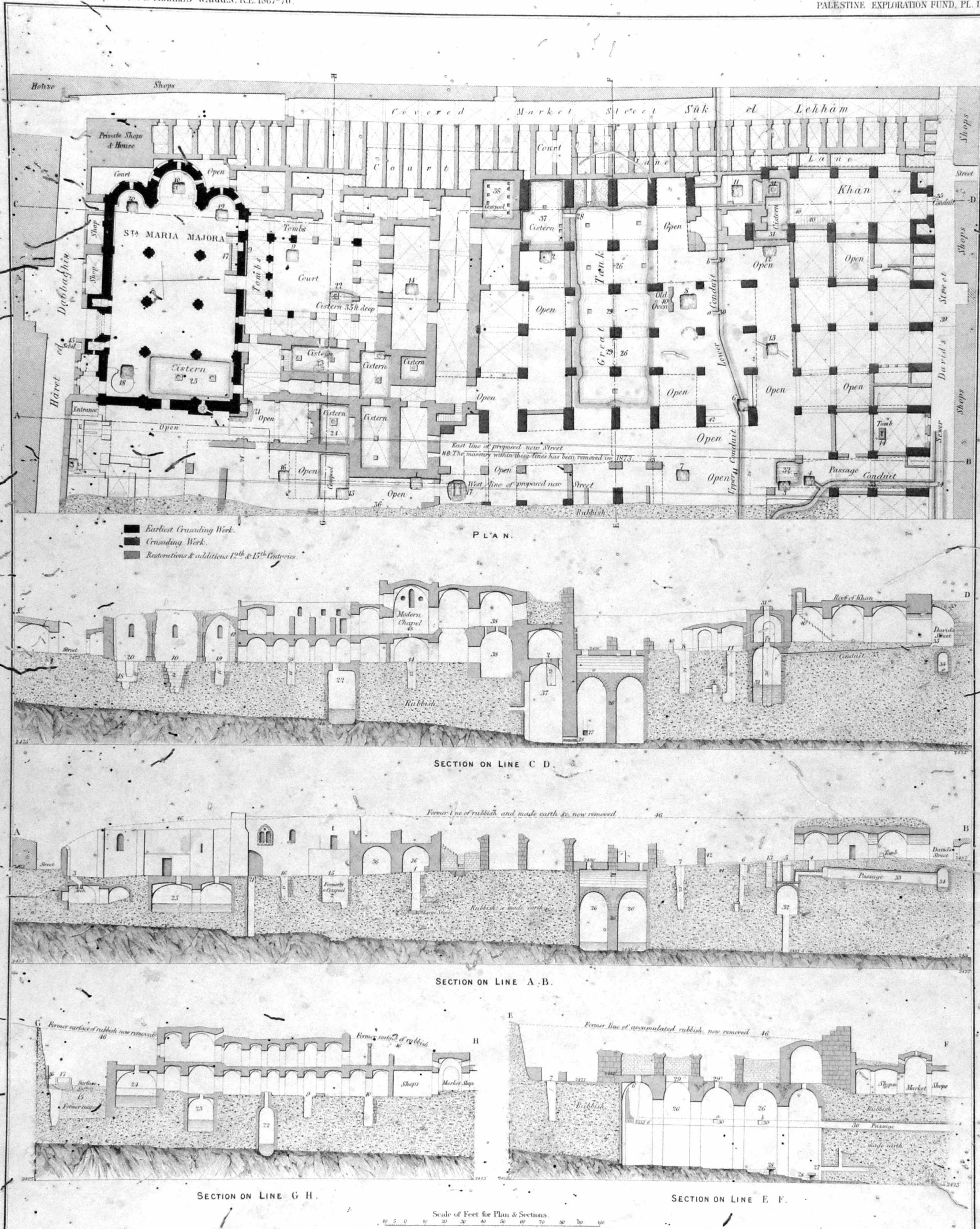
MURISTAN JERUSALEM

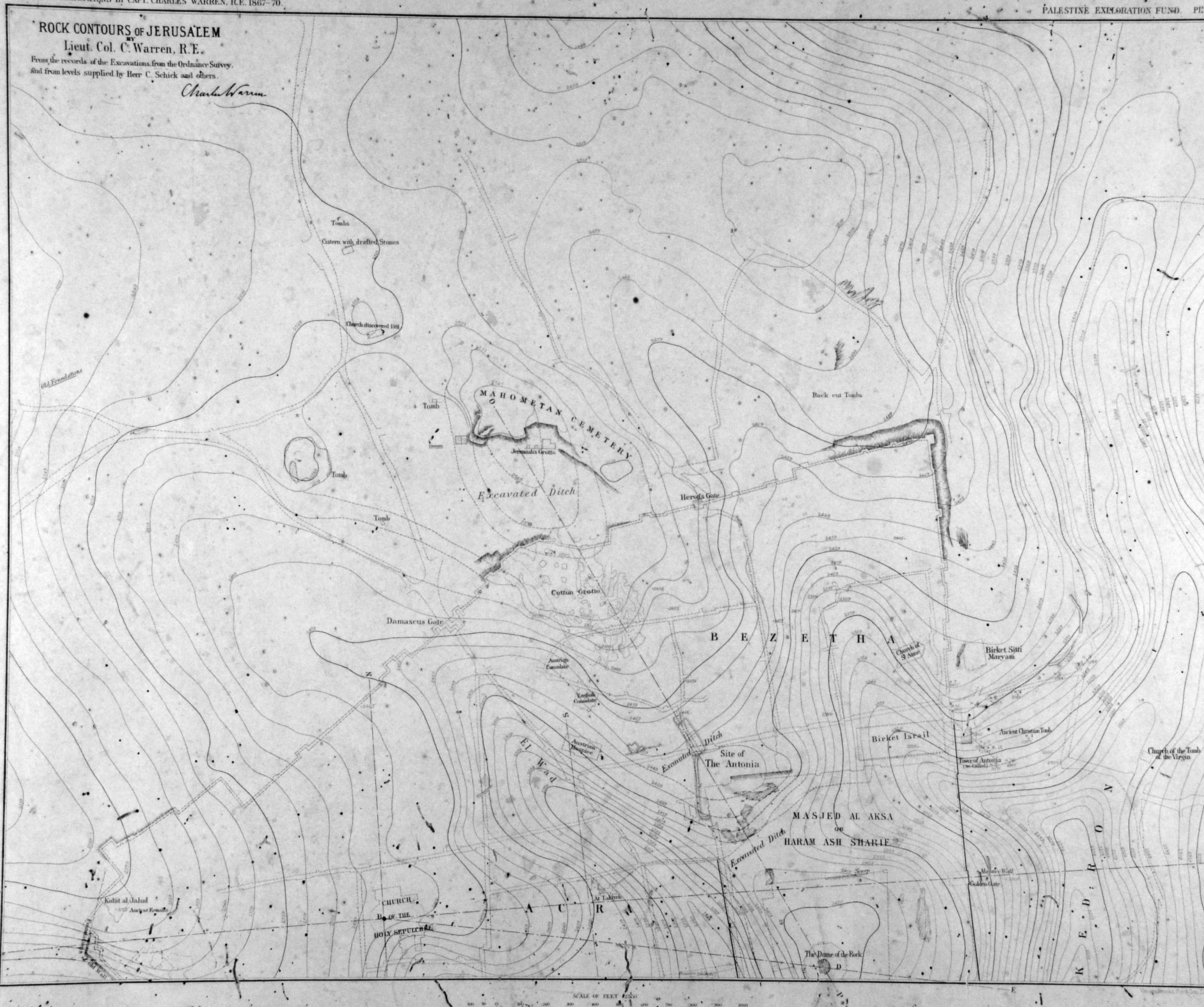
PLAN OF EASTERN HALF OF THE AREA

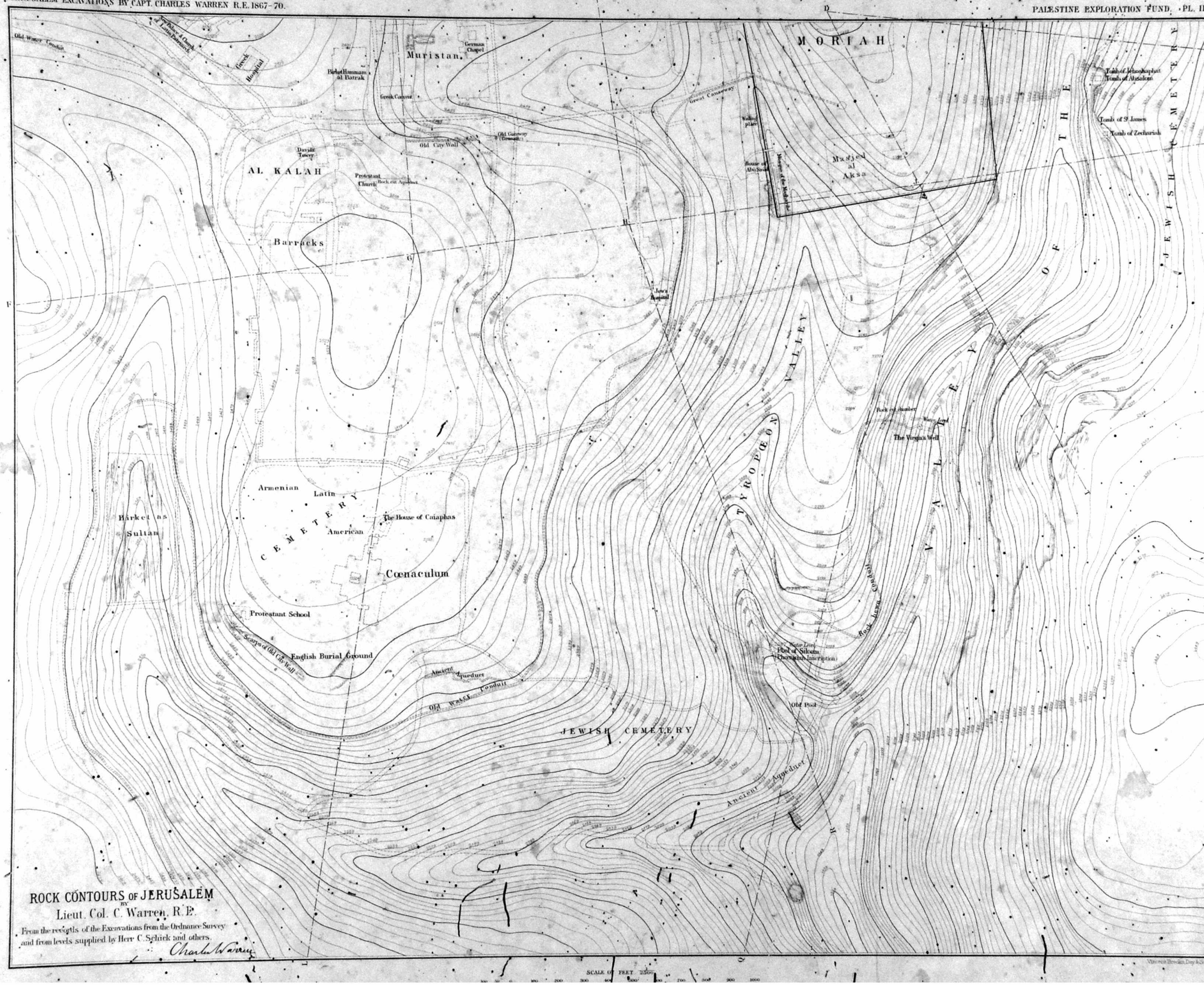
Including the Church and Convent of Sta Maria Majora.

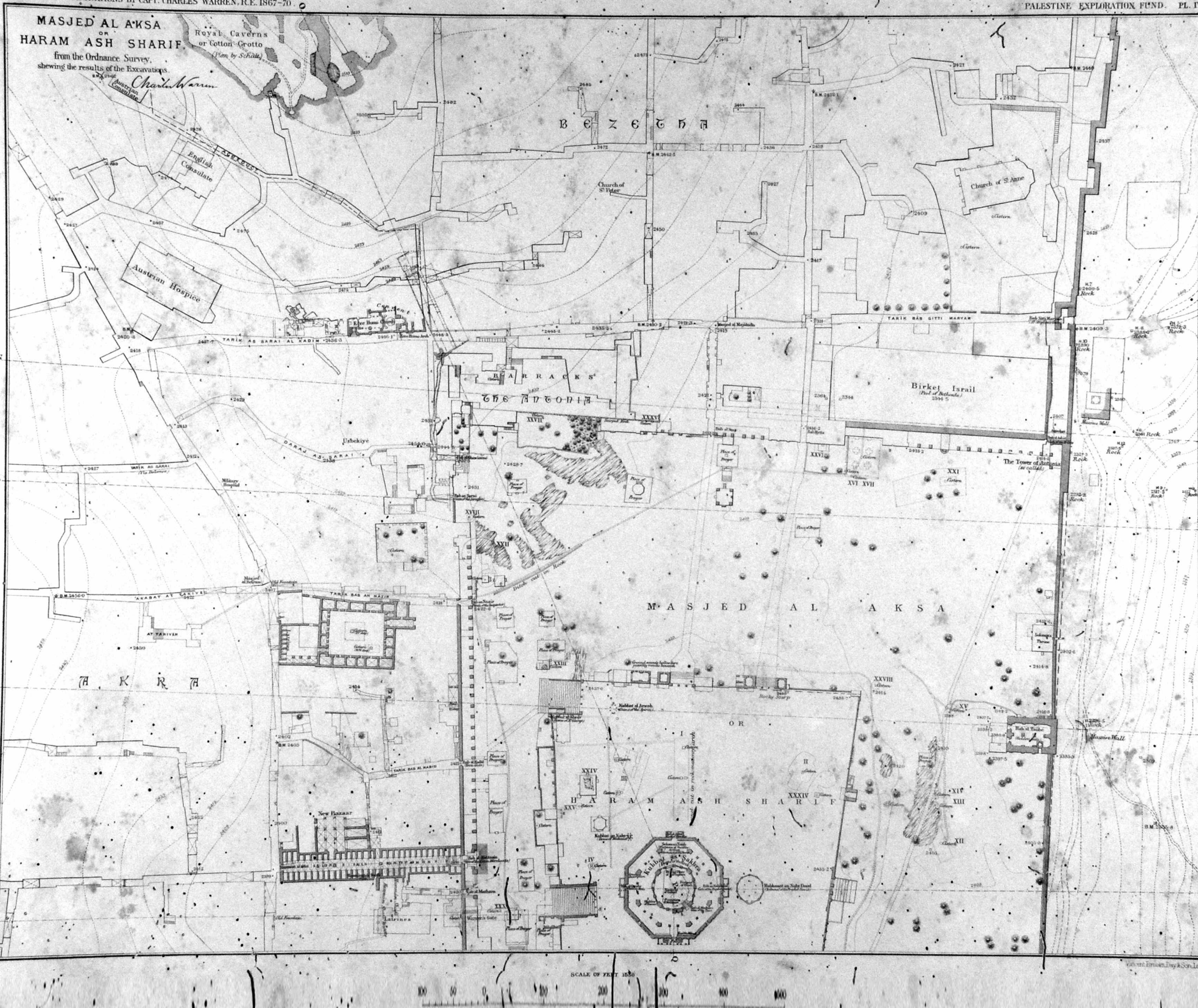
JERUSALEM EXCAVATIONS BY CAPT. CHARLES WARREN, R.E. 1867-70.

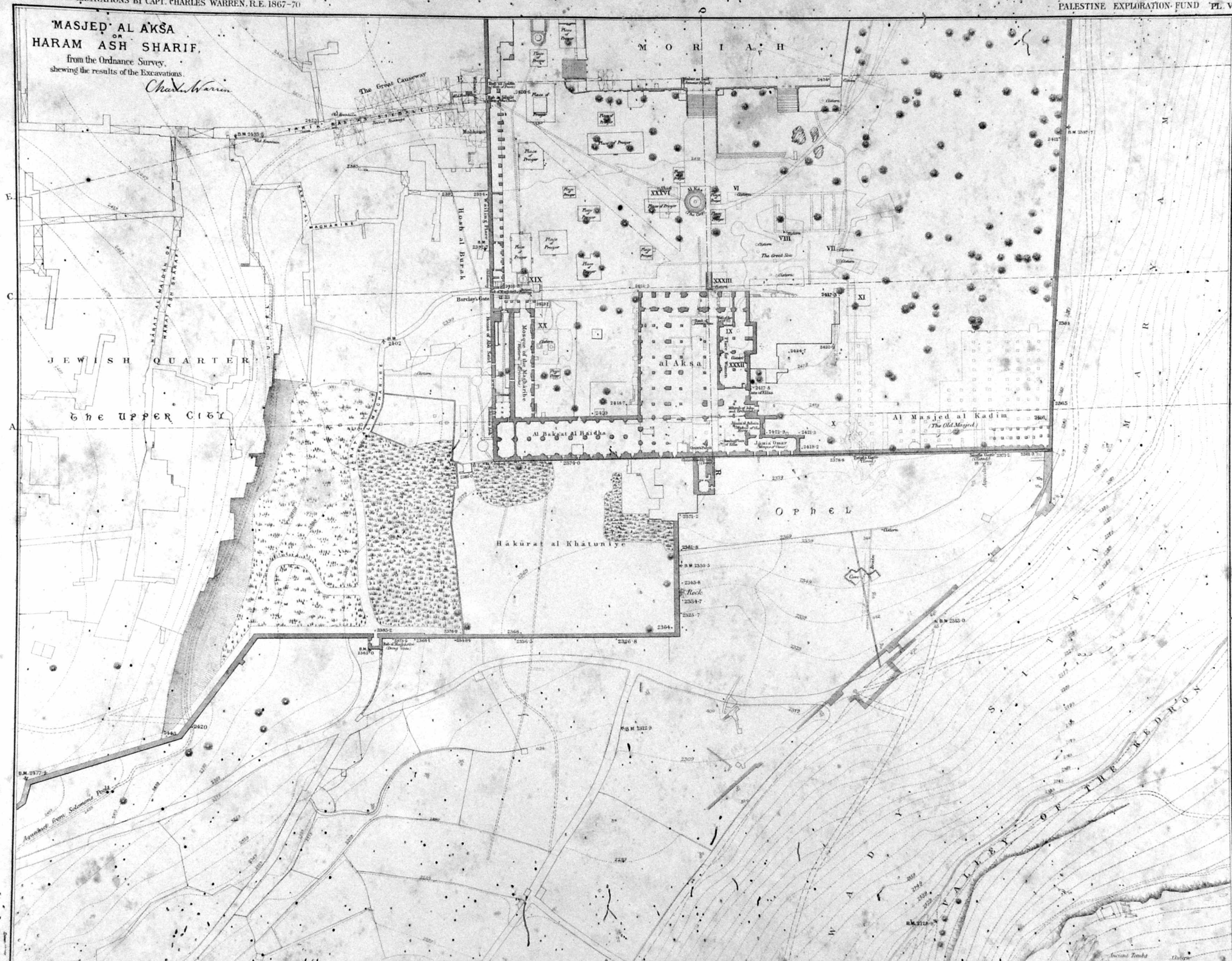
PALESTINE EXPLORATION FUND. PL. L.



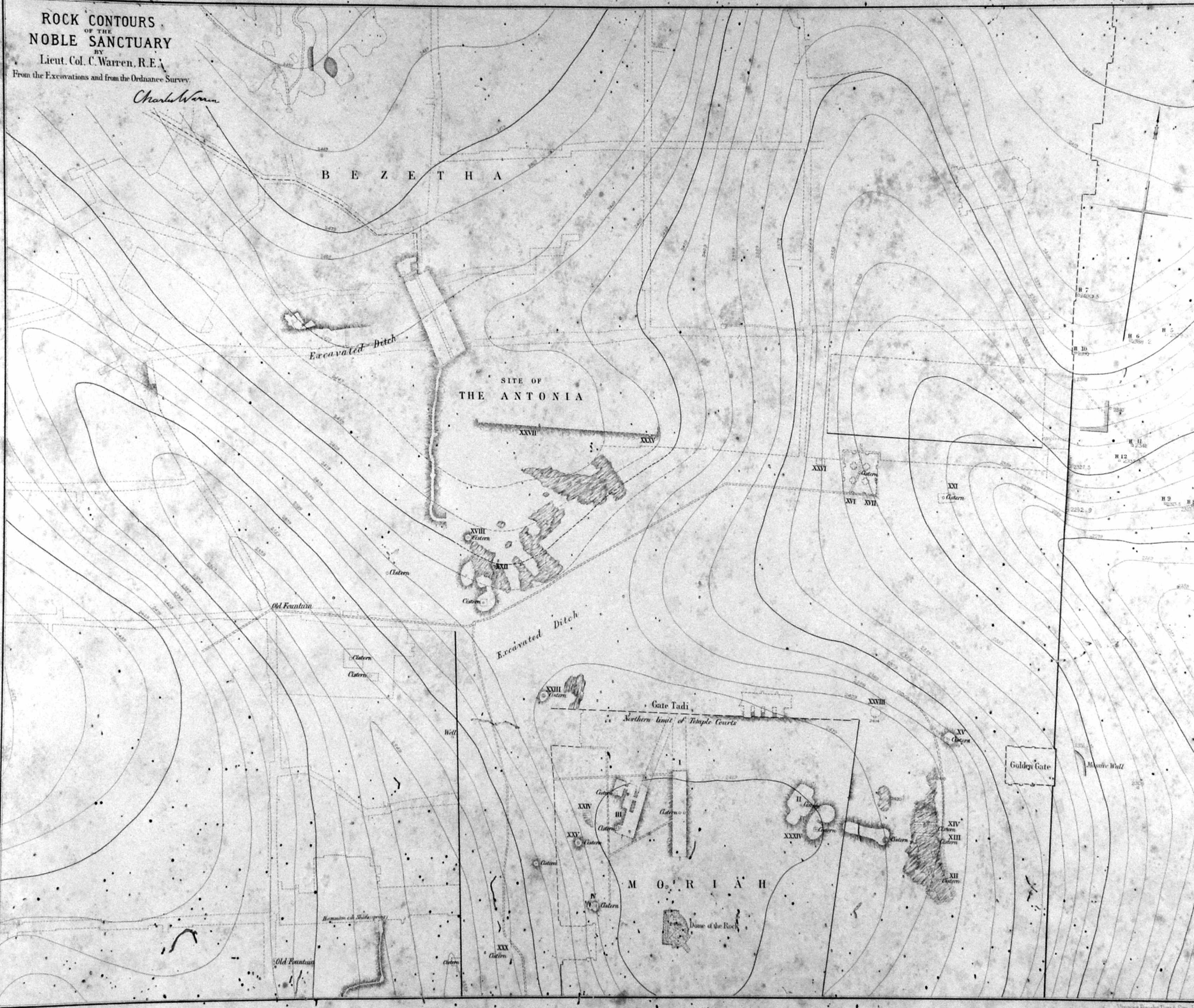

ROCK CONTOURS OF JERUSALEM
BY
Lieut. Col. C. Warren, R.E.
From the records of the Excavations, from the Ordnance Survey, and from levels supplied by Herr C. Schick and others.
Charles Warren
Tomb
Cistern with drafted Stones
Church discovered 1881
Old Foundations
Tomb
Tomb
Tomb
MAHOMETAN CEMETERY
Jeremiah's Grotto
Excavated Ditch
Herod's Gate
Rock cut Tombs
Cotton Grotto
Damascus Gate
B E Z E T H A
Church of St Anne
Birket Sitti Maryam
Austrian Consulate
English Consulate
Austrian Hospice
El Wad
Excavated Ditch
Site of The Antonia
Birket Israil
Ancient Christian Tomb
Tower of Antonia (so called)
Church of the Tomb of the Virgin
MASJED AL AKSA OR HARAM ASH SHARIF
Excavated Ditch
Golden Gate
Kalat al Jalud
Ancient Remains
CHURCH OF THE HOLY SEPULCHRE
At Takiyeh
A C R A
K E D R O N
The Dome of the Rock
SCALE OF FEET


MORIAH
Muristan
German Chapel
Birket Hammam al Batrak
Greek Convent
Greek Hospital
Old Water Conduit
Great Causeway
Old Gateway
Old City Wall
David's Tower
AL KALAH
Protestant Church
Rock cut Aqueduct
Barracks
Masjed al Aksa
House of Abu Saud
Wailing place
Tomb of Jehoshaphat
Tomb of Absalom
Tomb of St James
Tomb of Zechariah
Jews Hospital
TYROPŒON VALLEY
VALLEY OF THE
JEWISH CEMETERY
Rock cut chamber
The Virgin's Well
Armenian
Latin
CEMETERY
American
The House of Caiaphas
Birket as Sultan
Cœnaculum
Protestant School
Scarps of Old City Wall
English Burial Ground
Ancient Aqueduct
Old Water Conduit
Rock hewn Conduit
Pool of Siloam
(Phœnician Inscription)
Old Pool
Ancient Aqueduct
ROCK CONTOURS OF JERUSALEM
BY
Lieut. Col. C. Warren, R.E.
From the records of the Excavations from the Ordnance Survey
and from levels supplied by Herr C. Schick and others.
Charles Warren
Vincent Brooks, Day & Son, Lith.
SCALE OF FEET 2500

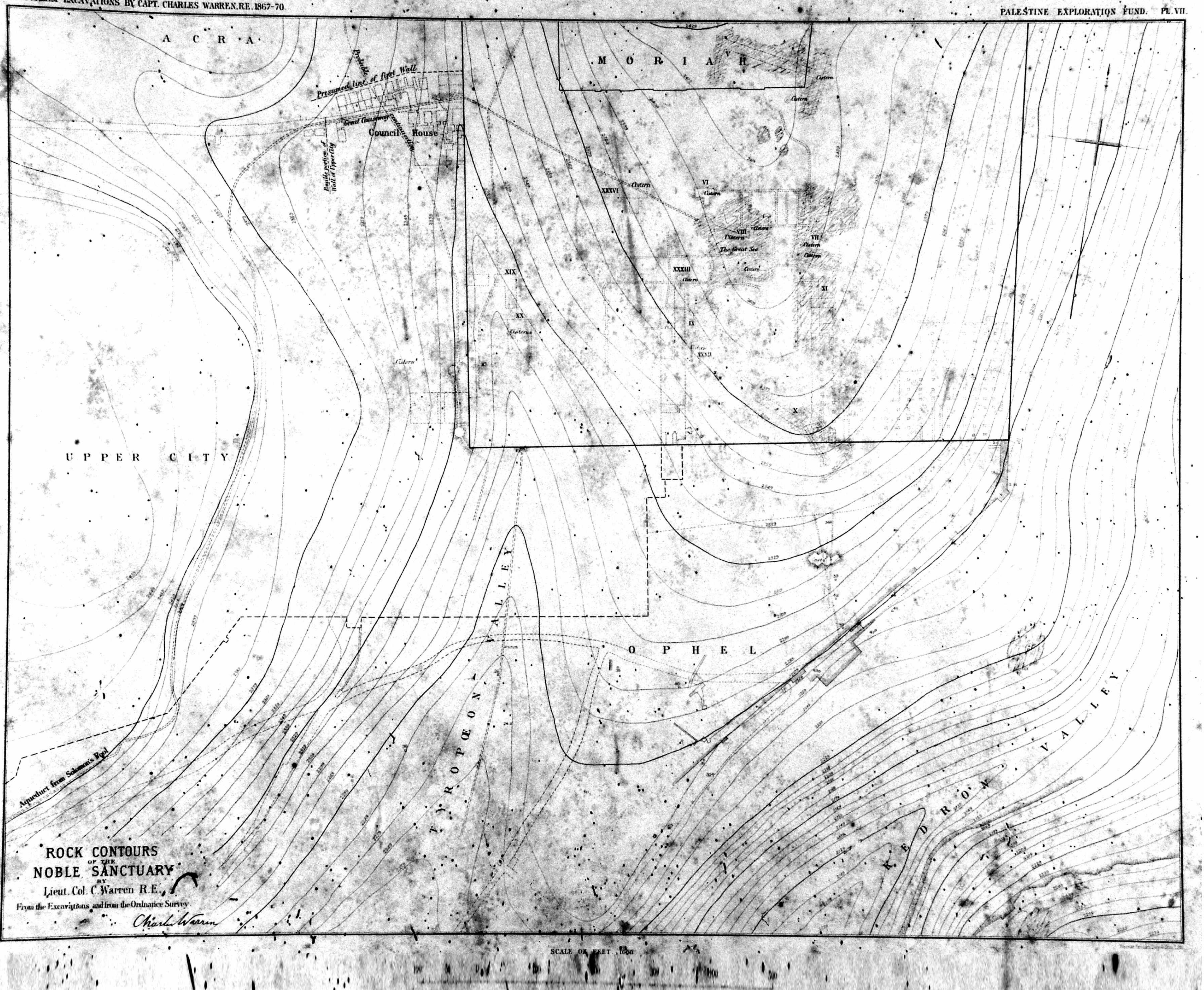

MASJED AL AKSA
OR
HARAM ASH SHARIF
from the Ordnance Survey,
shewing the results of the Excavations
Charles Warren
Royal Caverns
or Cotton Grotto
(Plan by Schick)
Austrian Consulate
English Consulate
Austrian Hospice
B E Z E T H A
Church of St Peter
Church of St Anne
Birket Israil
(Pool of Bethesda)
BARRACKS
THE ANTONIA
The Tower of Antonia
(so called)
Urbekiye
TARIK AS SARAI AL KADIM
DARAJ AS SARAI
TARIK AS SARAI
TARIK BAB SITTI MARYAM
TARIK BAB AN NAZIR
AKABAT AT TAKIYEH
TARIK BAB AL HADID
M A S J E D   A L   A K S A
OR
H A R A M   A S H   S H A R I F
A K R A
New Bazaar
Latrines
Warren's Gate
Kubbet as Sakhra
Massive Wall
Rock
SCALE OF FEET 1:2500
100 50 0 100 200 300 400 500



Vincent Brooks, Day & Son, Lith.



Vincent Brooks Day & Son, Lith.


ACRA
MORIAH
Presumed line of First Wall
Council House
UPPER CITY
TYROPŒON VALLEY
OPHEL
KEDRON VALLEY
Aqueduct from Solomon's Pool
The Great Sea
Cistern
ROCK CONTOURS
OF THE
NOBLE SANCTUARY
BY
Lieut. Col. C. Warren R.E.
From the Excavations and from the Ordnance Survey
Charles Warren
SCALE OF FEET

SECTIONS ON PLATES II & III. SHOWING ROCK CONTOURS OF JERUSALEM

BY

Charles Warren

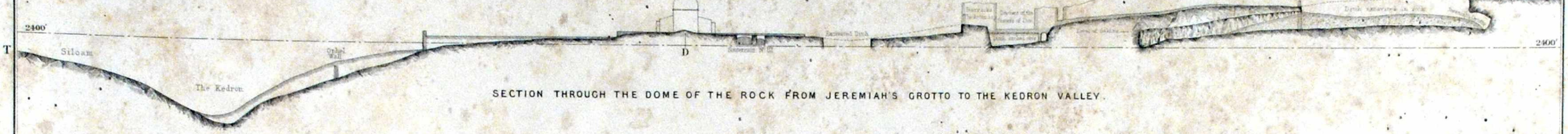


Vincent Brooks Day & Son Lith

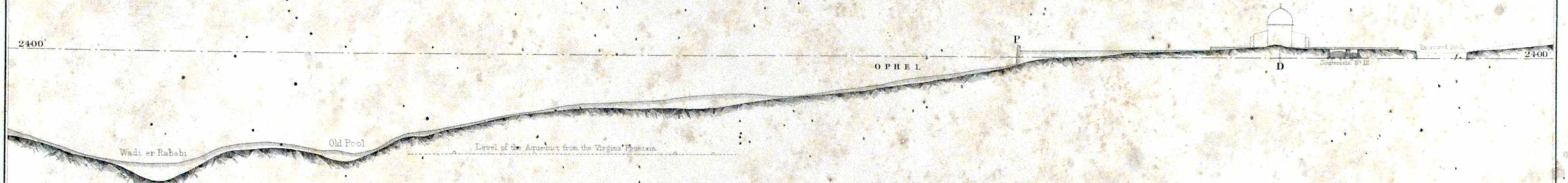
SECTIONS ON PLATES II & III SHEWING ROCK CONTOURS OF JERUSALEM

BY

Charles Warren



SECTION THROUGH THE DOME OF THE ROCK FROM JEREMIAH'S GROTTO TO THE KEDRON VALLEY.



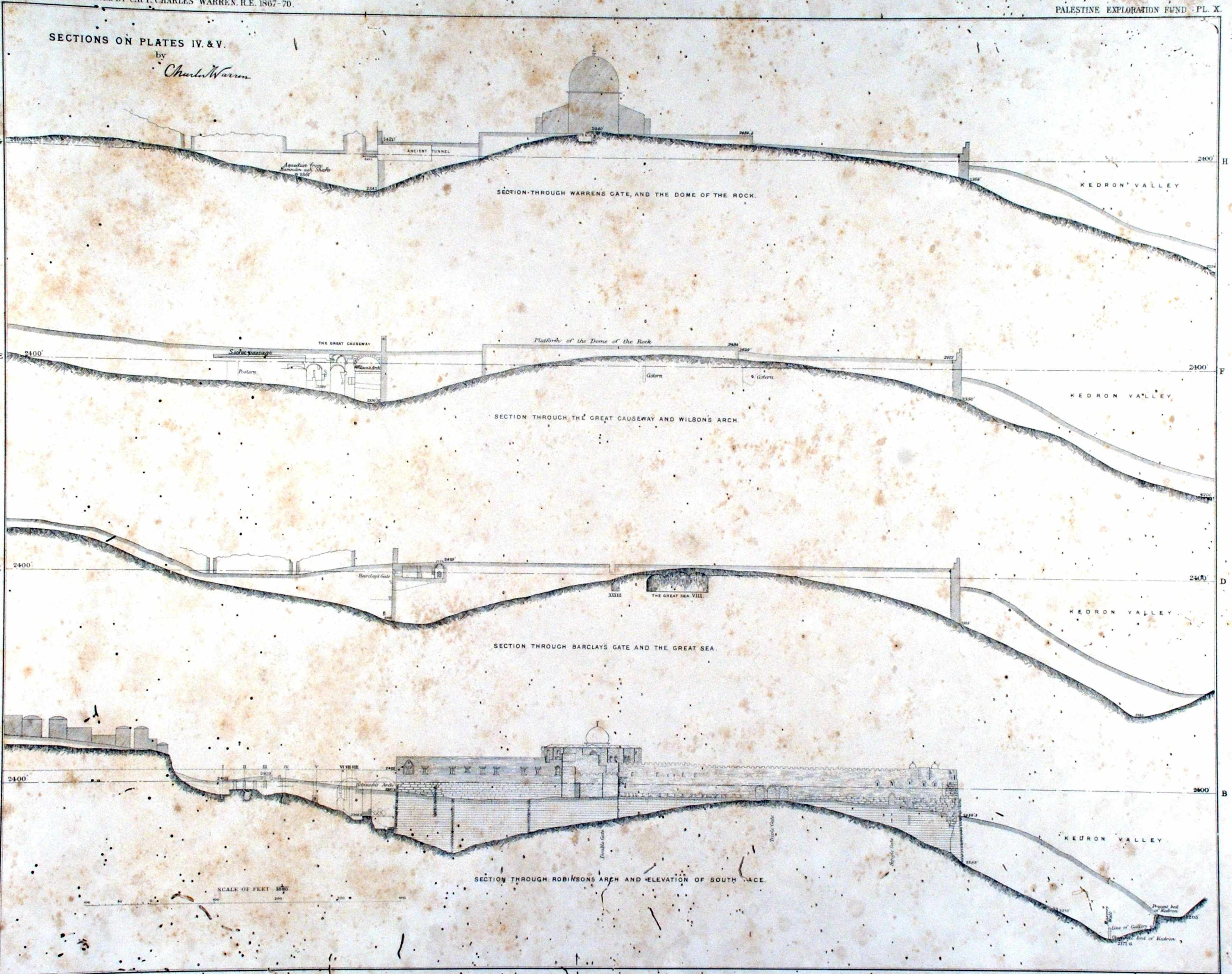
SECTION THROUGH THE HILL OF OPHEL.



SECTION EAST & WEST THROUGH RUBBISH IN VALLEY ON EAST SIDE OF GOLDEN GATE.

SCALE OF FEET. 180

10 5 0 10 20 30 40 50 60 70 80 90

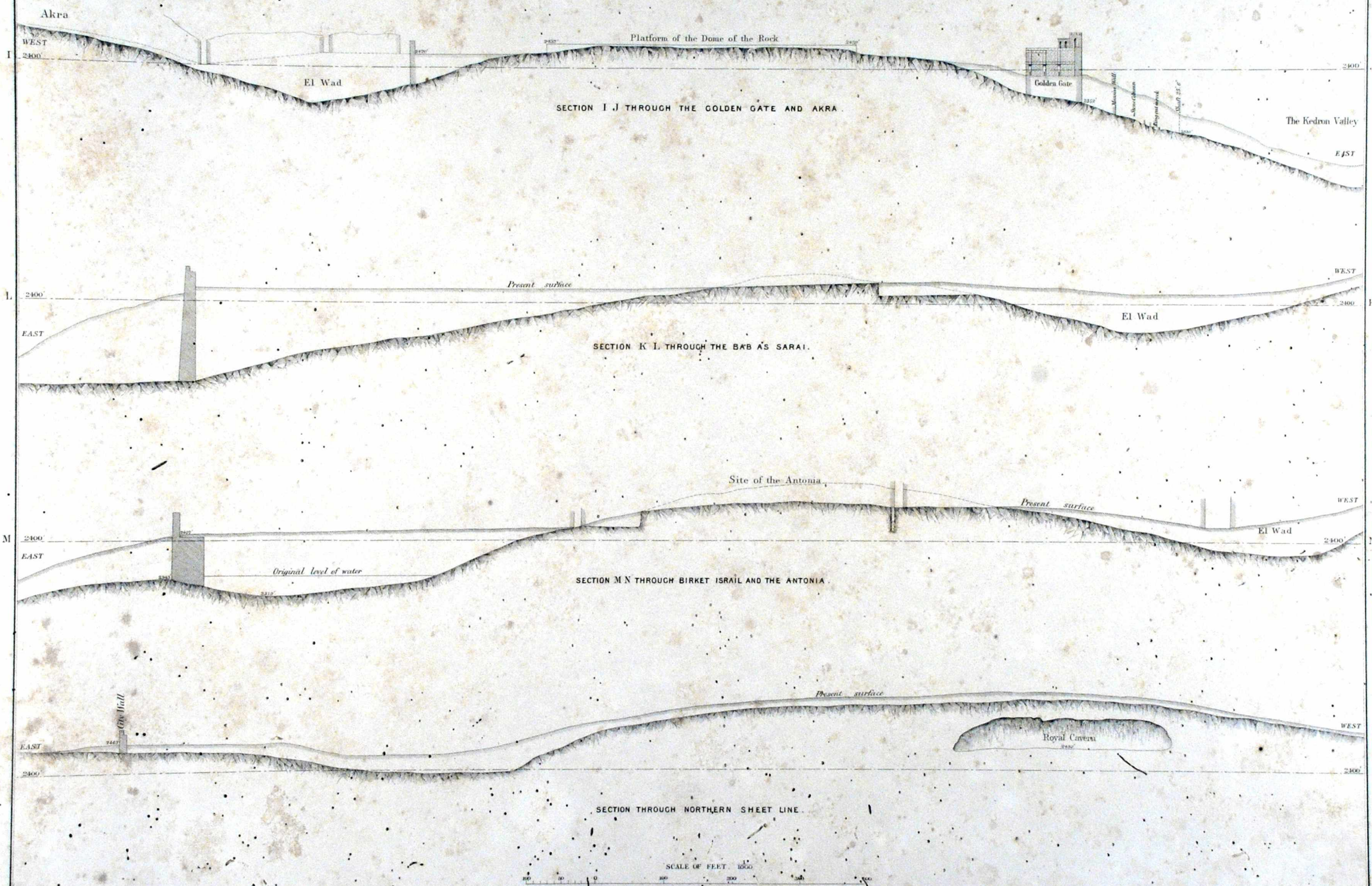


Vincent Brooks Day & Son Lith.

SECTIONS ON PLATES IV & V.

BY

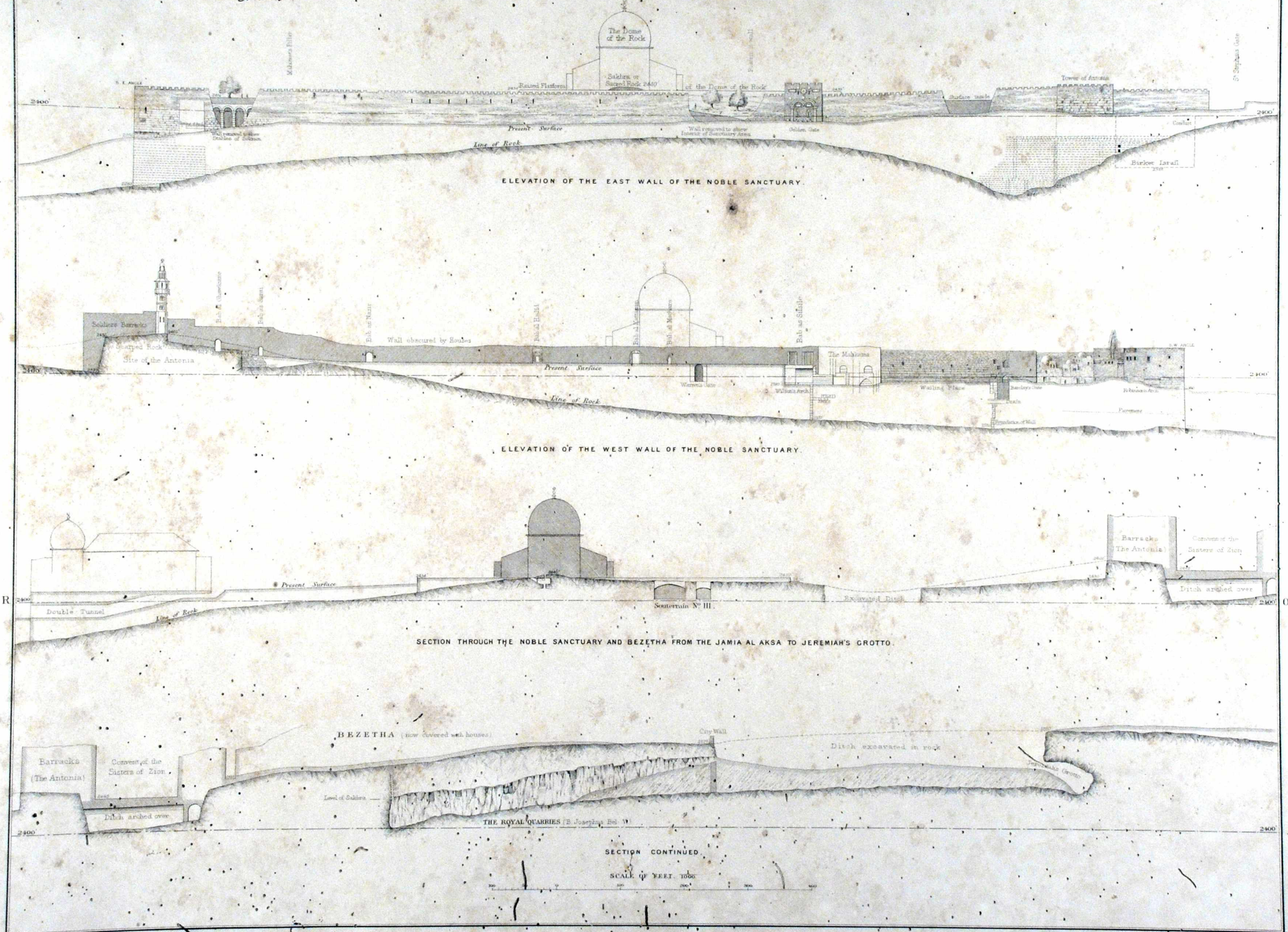
Charles Warren



SECTIONS & ELEVATIONS ON PLATES IV & V.

BY

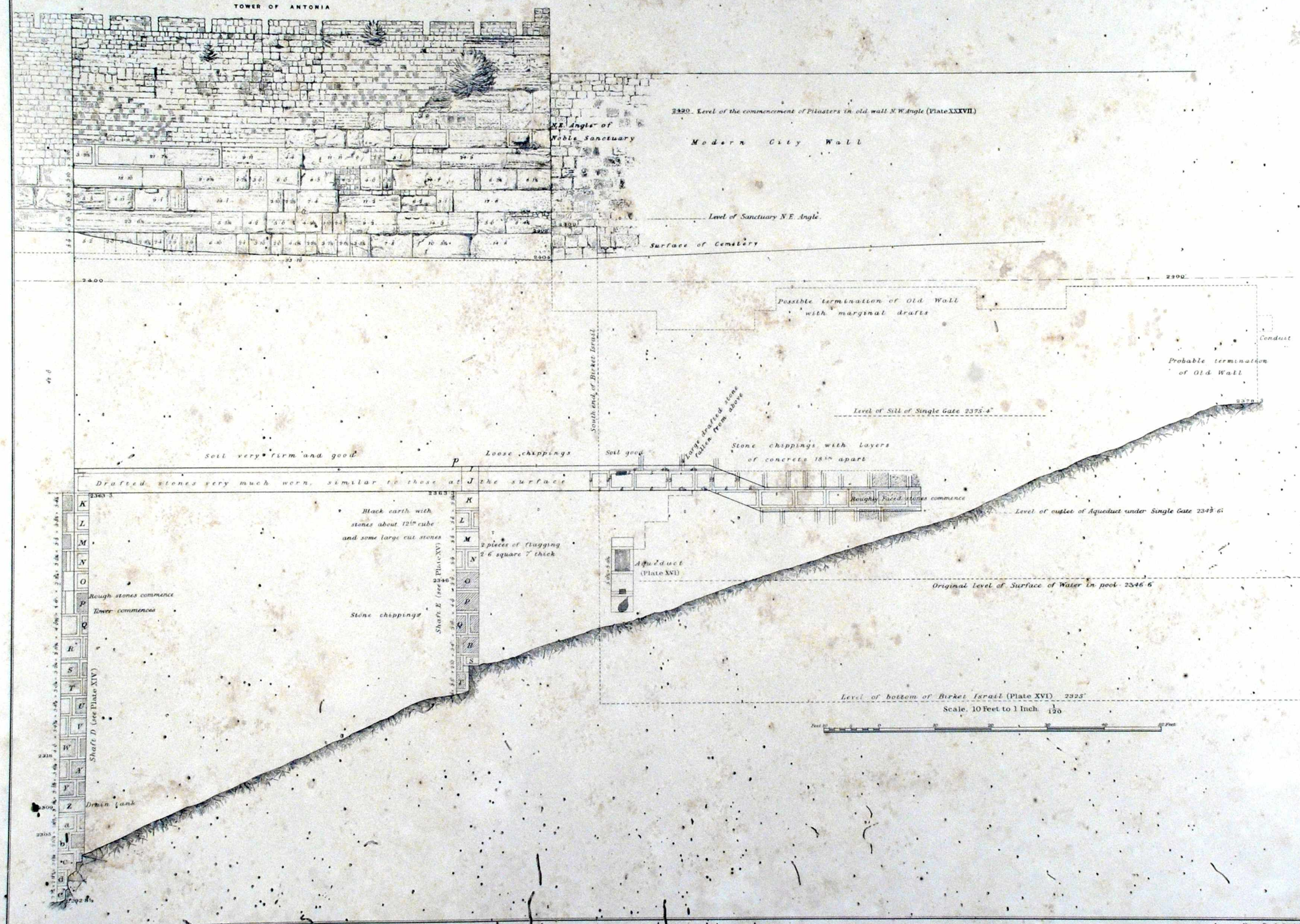
Charles Warren

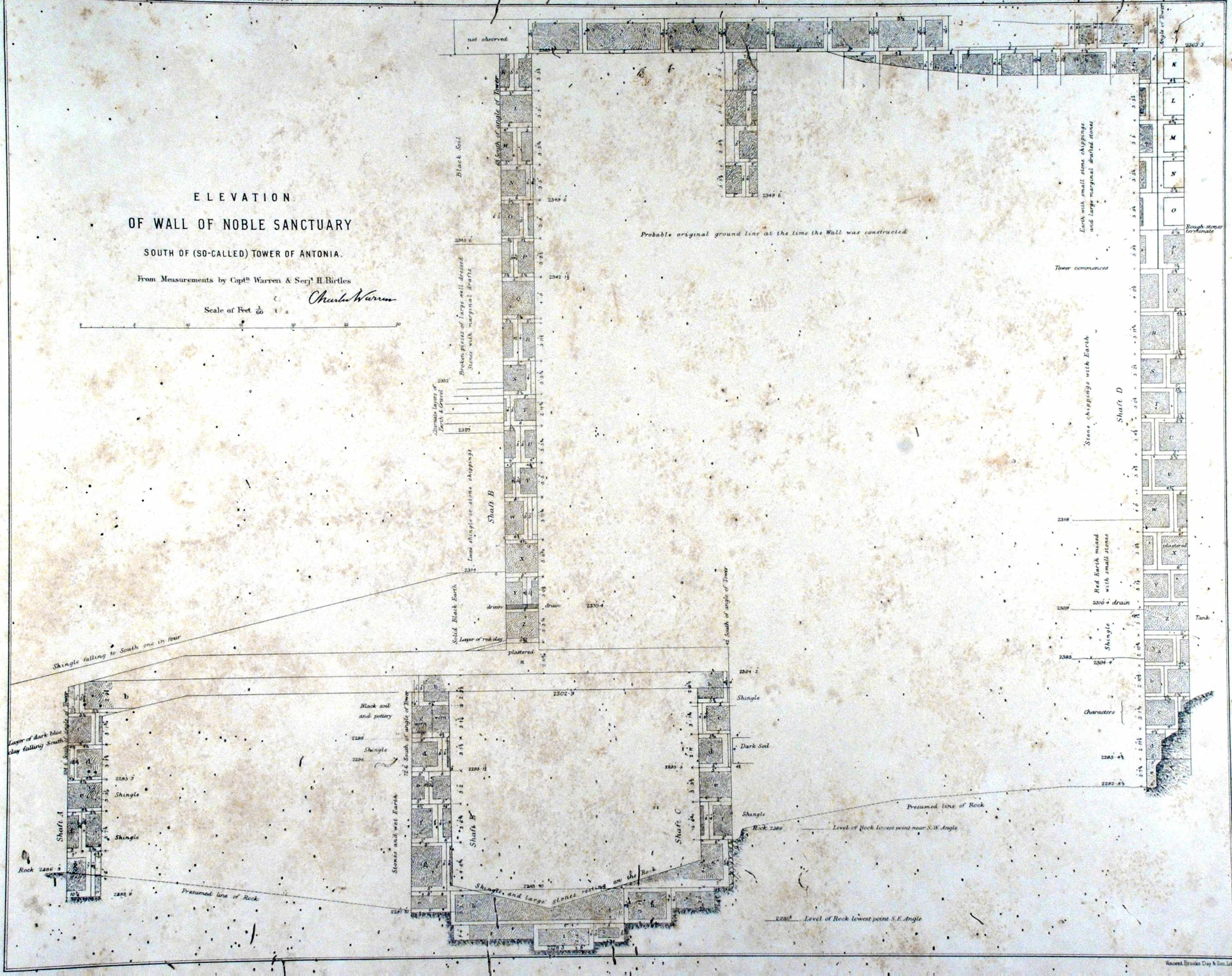


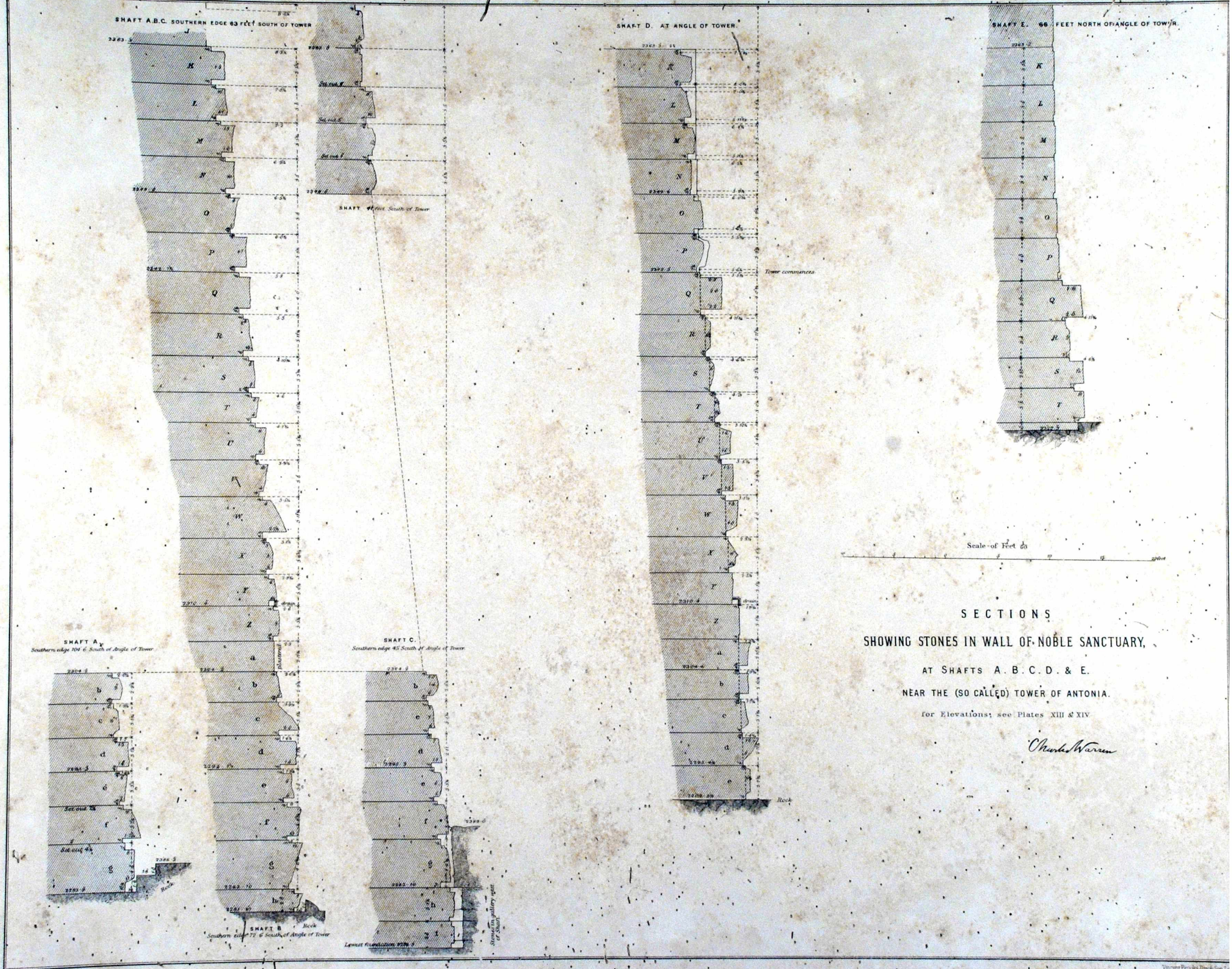
Vincent Brooks, Day & Son, Lith.

ELEVATION OF THE SANCTUARY WALL AT THE NORTH EAST ANGLE

by Charles Warren




ELEVATION
OF WALL OF NOBLE SANCTUARY
SOUTH OF (SO-CALLED) TOWER OF ANTONIA.
From Measurements by Captn. Warren & Serjt. H. Birtles
Charles Warren
Scale of Feet 1/60
not observed.
Black Soil
Probable original ground line at the time the Wall was constructed
Broken pieces of large well dressed Stones with marginal drafts
Alternate layers of Earth & Gravel
Loose shingle or stone chippings
Shaft B
Solid Black Earth
Layer of red clay
plastered
drain
Shingle falling to South one in four
Earth with small stone chippings and large marginal drafted stones
Tower commences
Stone chippings with Earth
Shaft D
Red Earth mixed with small stones
Shingle
Tank
Characters
Rough stones terminate
Layer of dark blue clay falling South
Shaft A
Black soil and pottery
Stones and wet Earth
Shaft B'
Shaft C
Dark Soil
Presumed line of Rock
Shingle and large stones resting on the Rock
Level of Rock lowest point near S.W. Angle
Level of Rock lowest point S.E. Angle
Vincent Brooks Day & Son Lith.



SECTIONS

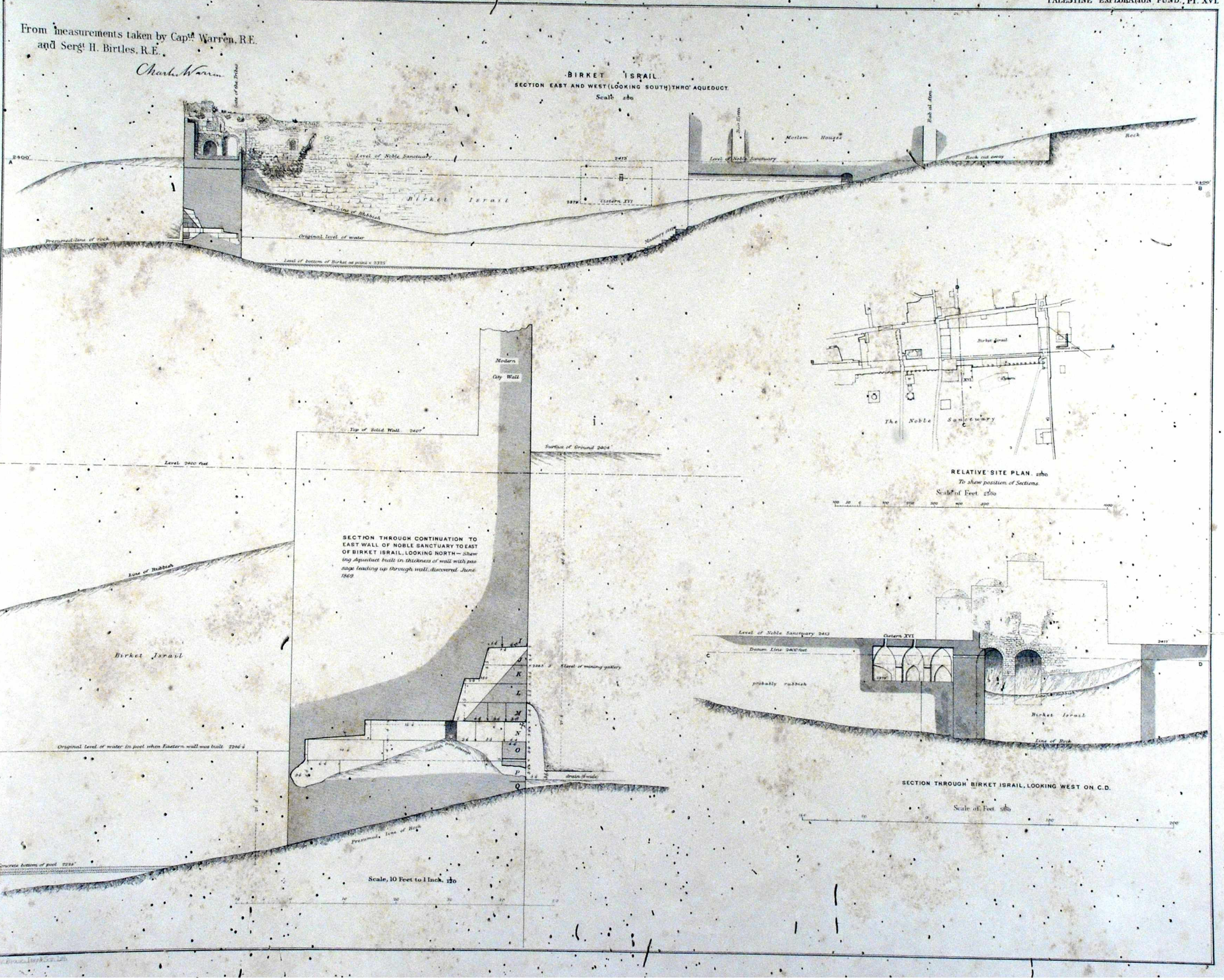
SHOWING STONES IN WALL OF NOBLE SANCTUARY,

AT SHAFTS A. B. C. D. & E.

NEAR THE (SO CALLED) TOWER OF ANTONIA.

for Elevations; see Plates XIII & XIV

Charles Warren

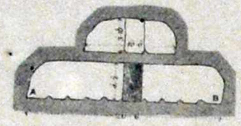

From measurements taken by Captn. Warren, R.E.
and Sergt. H. Birtles, R.E.
Charles Warren
BIRKET ISRAIL.
SECTION EAST AND WEST (LOOKING SOUTH) THRO' AQUEDUCT.
Scale 1/500
Gate of the Tribes
2400'
A
Level of Noble Sanctuary
2413'
Birket Israil
Line of Rubbish
2379'
Cistern XVI
Presumed line of rock
Original level of water
Level of bottom of Birket at point × 2325
Masonry steps
Moslem Houses
Bab al Atm
Rock cut away
Rock
2400'
B
Modern City Wall
Top of Solid Wall 2407'
Surface of Ground 2404'
Level 2400 feet
SECTION THROUGH CONTINUATION TO EAST WALL OF NOBLE SANCTUARY TO EAST OF BIRKET ISRAIL, LOOKING NORTH — Shewing Aqueduct built in thickness of wall with passage leading up through wall discovered June 1869.
Line of Rubbish
Birket Israil
Level of mining gallery
I
J
K
L
M
N
O
P
Q
Rubbish from passage
drain
Original level of water in pool when Eastern wall was built 2246
Presumed line of Rock
Concrete bottom of pool 2229'
Scale, 10 Feet to 1 Inch. 1/120
Birket Israil
The Noble Sanctuary
A
C
RELATIVE SITE PLAN 1/2500
To shew position of Sections.
Scale of Feet 1/2500
Level of Noble Sanctuary 2413
Cistern XVI
Datum Line 2400 feet
C
2379'
probably rubbish
2411'
D
Line of Rubbish
Birket Israil
Line of Rock
SECTION THROUGH BIRKET ISRAIL, LOOKING WEST ON C.D.
Scale of Feet 1/500
50
0
100
200

DETAILS NEAR NORTH EAST ANGLE. NOBLE. SANCTUARY.

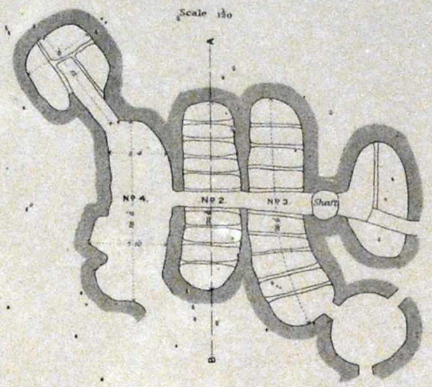
Charles Warren

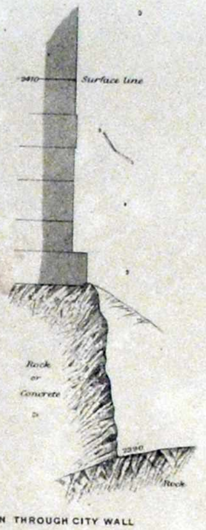
H.I. PLAN & SECTION OF PORTION OF ROCK CUT TOMBS

Discovered 2nd April 1869 East of St Stephen's Gate, containing early Christian pottery.



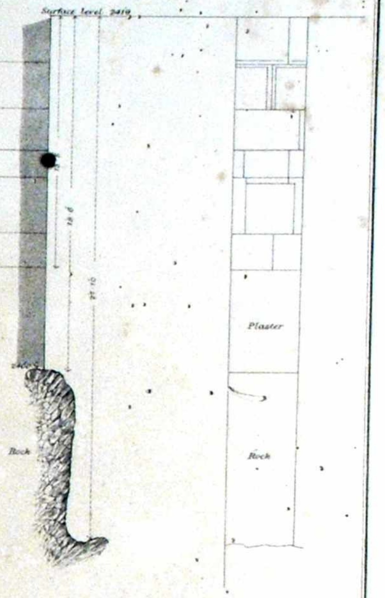
Section on A.B.





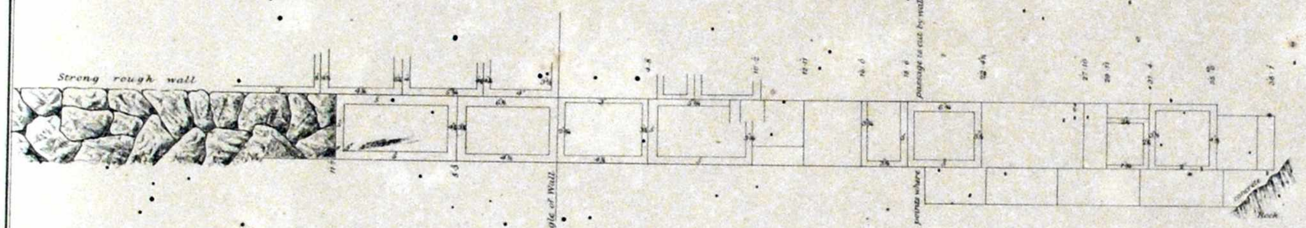
SECTION THROUGH CITY WALL

BELOW SURFACE H. 10. 1/20



SECTION & ELEVATION OF CITY WALL

BELOW SURFACE H. 7. 1/20



ELEVATION OF SOUTH SIDE OF WALL.

ELEVATION OF EAST SIDE OF WALL.

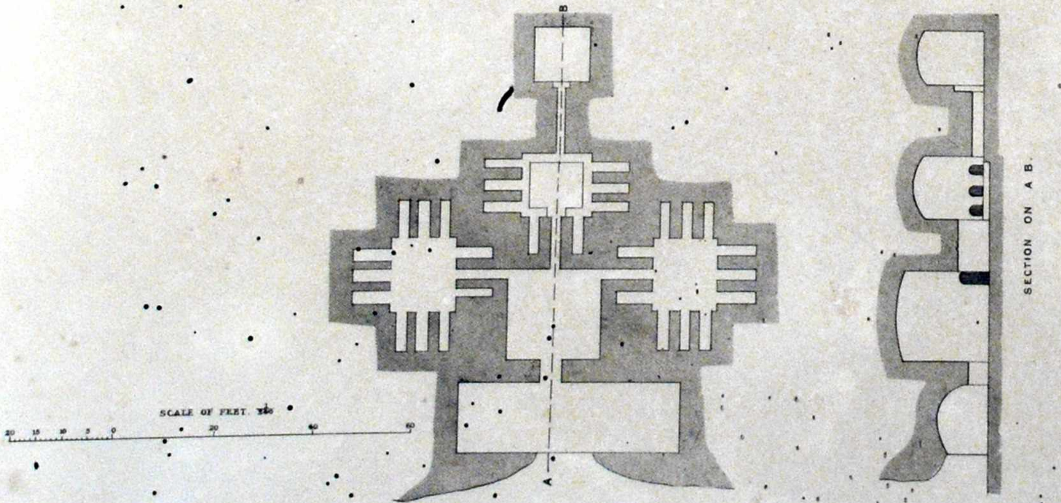
ELEVATION OF PART OF MASSIVE WALL EXPOSED TO EAST OF BIRKET ISRAIL. H.

Scale 1/40

PLAN OF A REMARKABLE CISTERN. XVI. XVII.

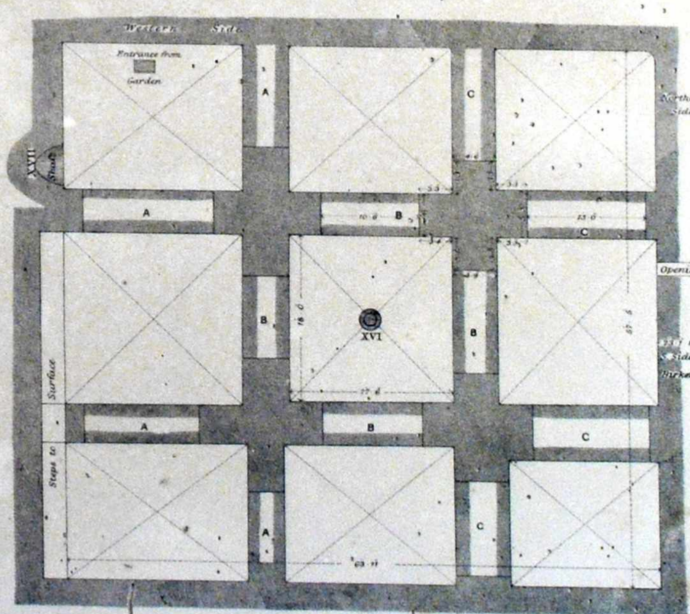
AT NORTH EAST END OF SANCTUARY AREA NEAR BAB HYTTA.

Scale 1/120 10 Feet to 1 Inch.



PLAN OF A REMARKABLE TOMB ON THE WESTERN SIDE OF THE KEDRON

SOUTH OF BIR EYUB ABOUT 1/2 MILE.



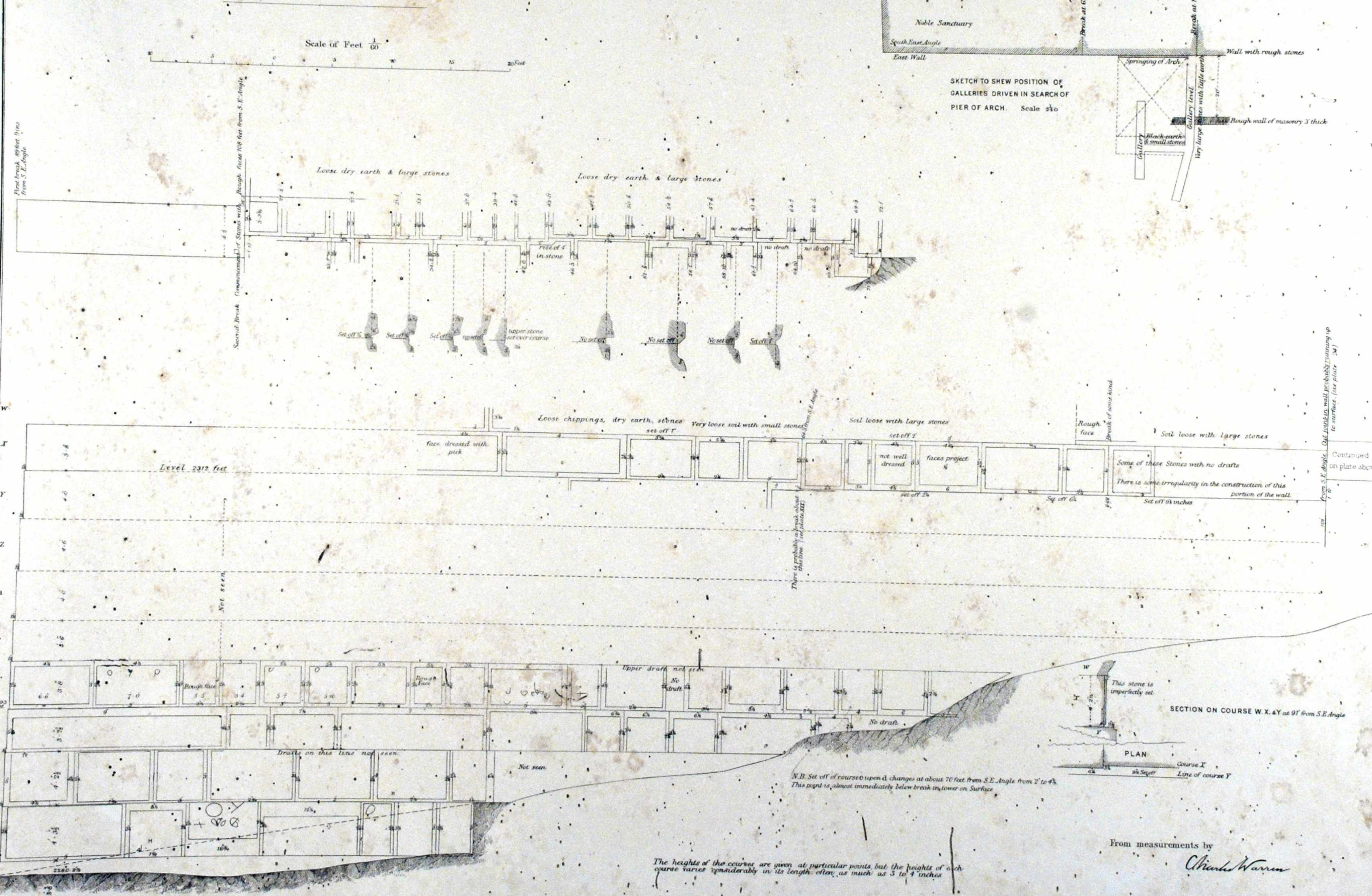
FOR SECTION SEE PLATE XVI.

DETAILS OF STONES ON EAST WALL NOBLE SANCTUARY

AT THE SOUTH EAST ANGLE

SEE PLATE XIX.

See Plates V. XIX. XX. & XL.



From measurements by

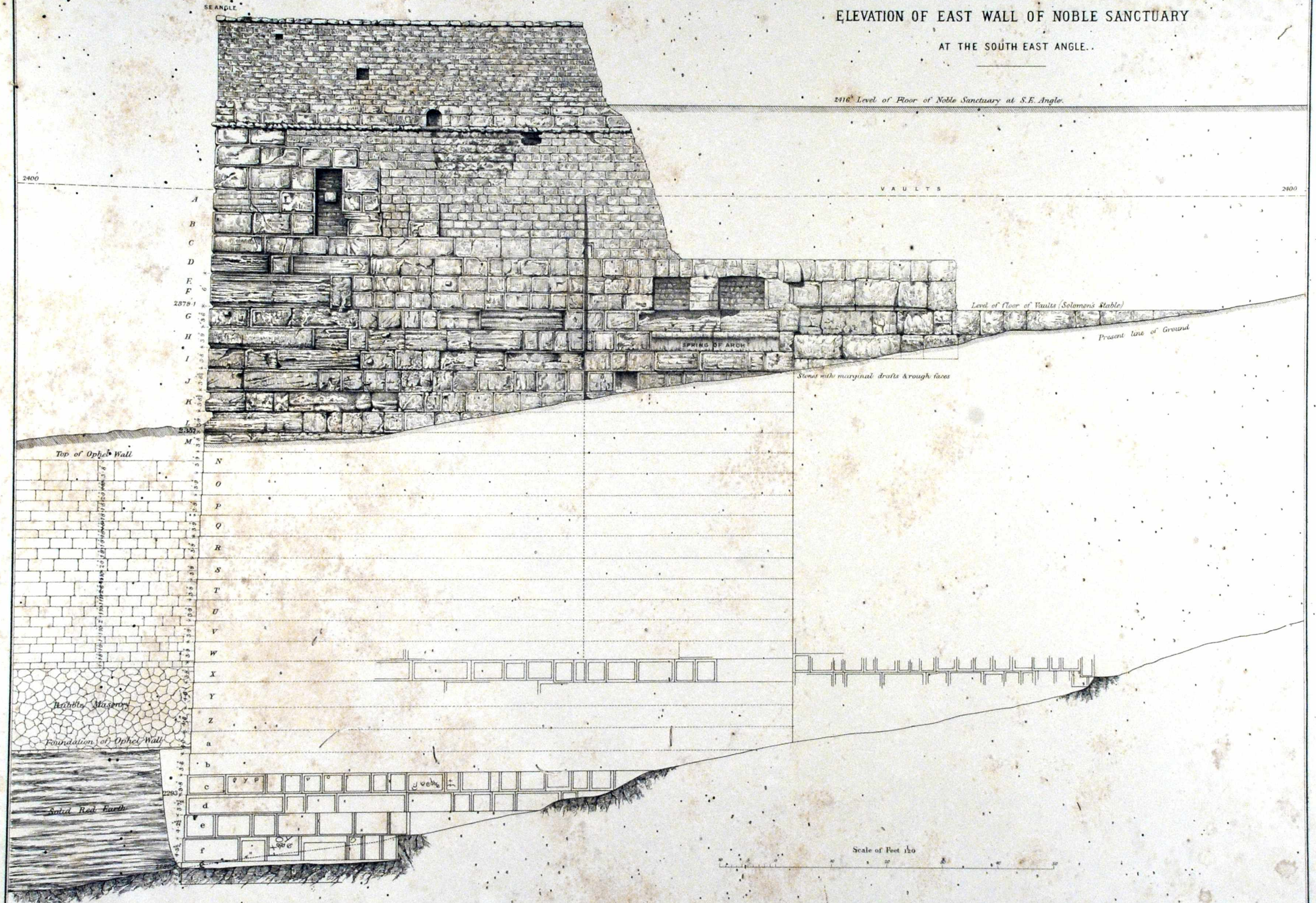
Charles Warren

Vincent Brooks, Day & Son, Lith.

See Plates. V. XVIII. XX. XXIV. & XL.

ELEVATION OF EAST WALL OF NOBLE SANCTUARY

AT THE SOUTH EAST ANGLE.



Scale of Feet 120

From measurements by Capt. Warren R.E.
& Serjt. Birtles R.E.

Charles Warren

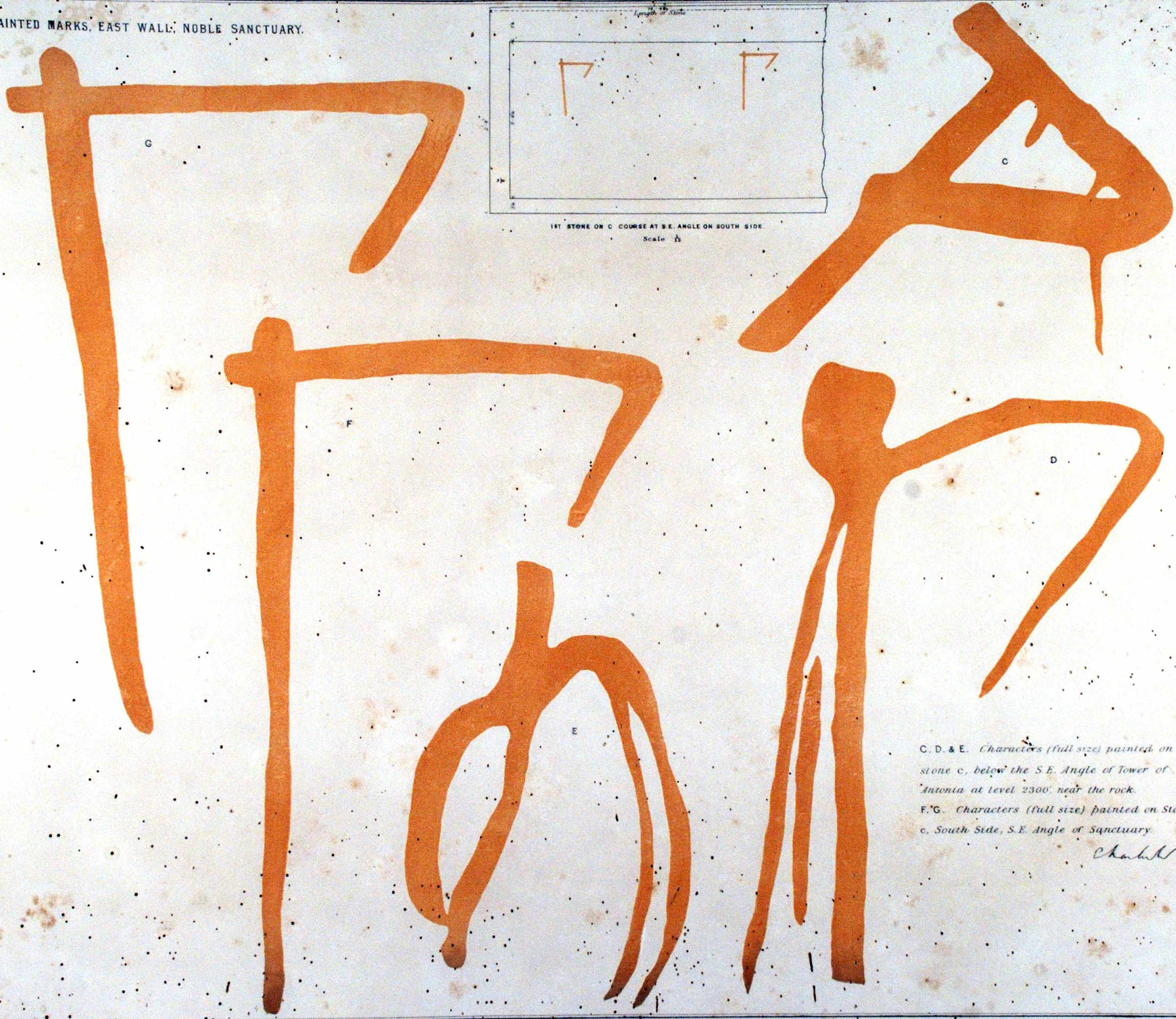
Vincent Brooks Day & Son Lith.

See Plate XXIV.

S.E. ANGLE. SOUTH SIDE.
SHEWING THE SINGLE GATE AND THE SECRET PASSAGE OR AQUEDUCT UNDERNEATH.



PAINTED MARKS, EAST WALL, NOBLE SANCTUARY.

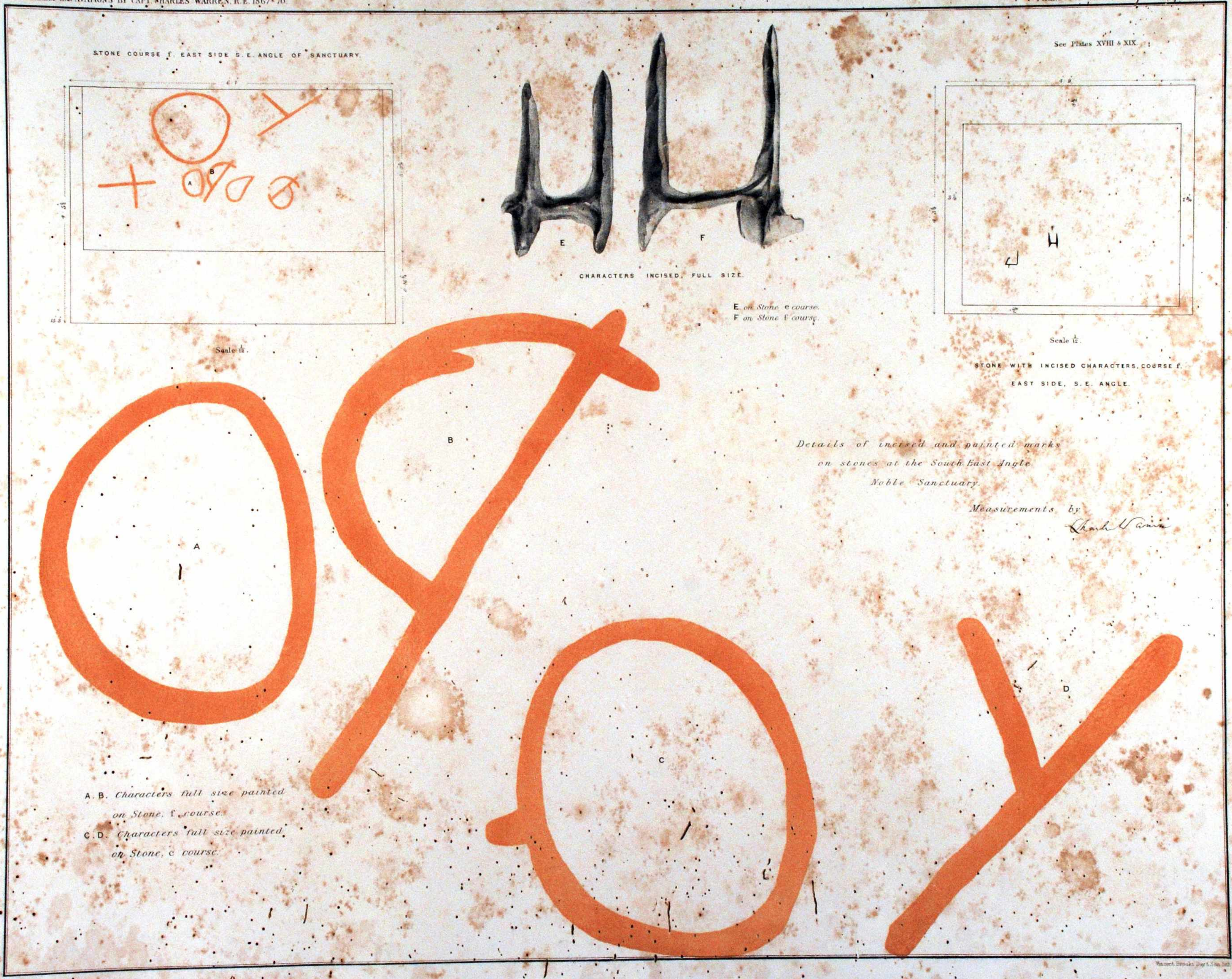


C. D. & E. *Characters (full size) painted on stone c, below the S.E. Angle of Tower of Antonia at level 2300', near the rock.*

F. G. *Characters (full size) painted on Stone c. South Side, S.E. Angle of Sanctuary.*

Charles Warren

Vincent Brooks Day & Son Lith.

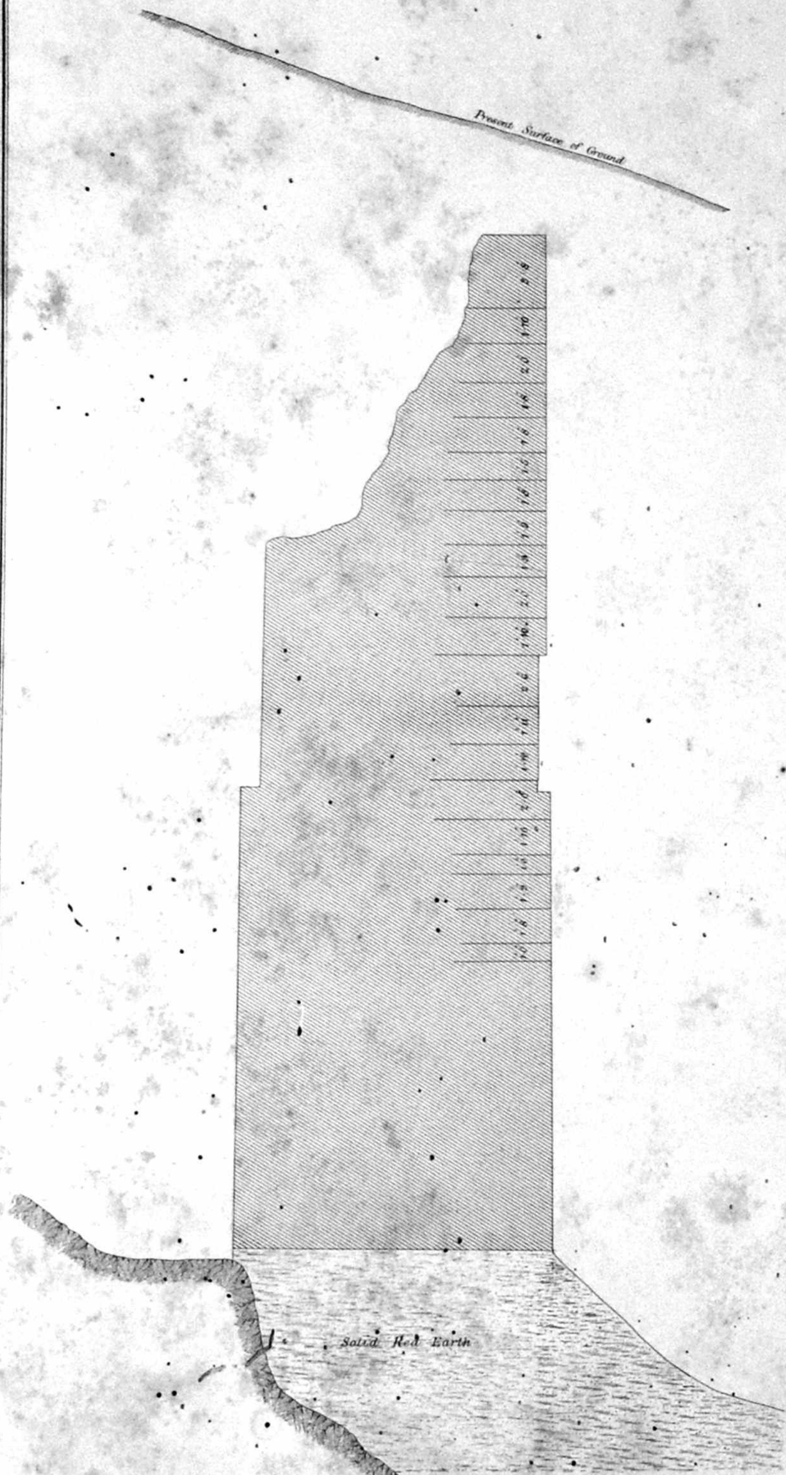

STONE COURSE f. EAST SIDE S. E. ANGLE OF SANCTUARY.
See Plates XVIII & XIX.
A
B
Scale 1/12.
E
F
CHARACTERS INCISED, FULL SIZE.
E. on Stone e course.
F on Stone f course.
Scale 1/12.
STONE WITH INCISED CHARACTERS, COURSE f.
EAST SIDE, S. E. ANGLE.
Details of incised and painted marks
on stones at the South East Angle
Noble Sanctuary.
Measurements by
Charles Warren
A
B
C
D
A. B. Characters full size painted
on Stone, f course.
C. D. Characters full size painted
on Stone, c course.

DETAILS OF PAINTED MARKS ON STONE

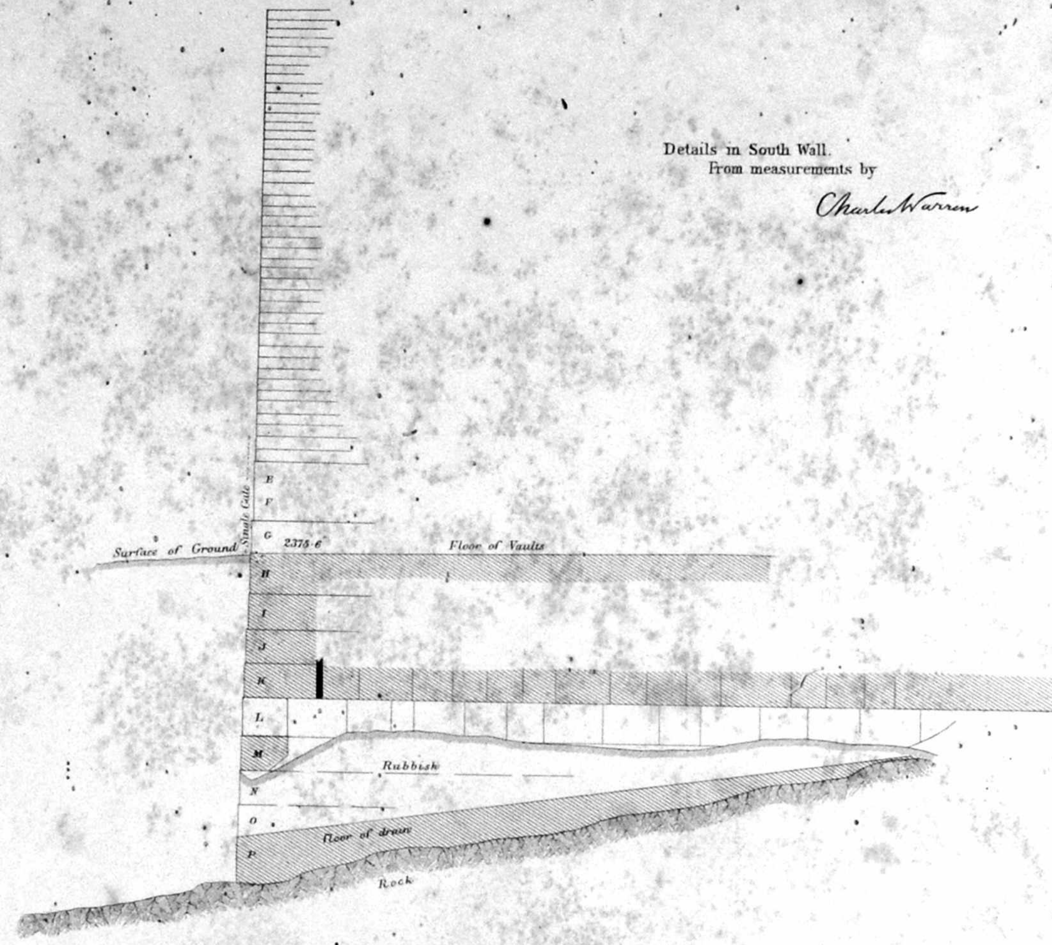
S.E. ANGLE, NOBLE SANCTUARY.



Details in South Wall.
From measurements by
Charles Warren



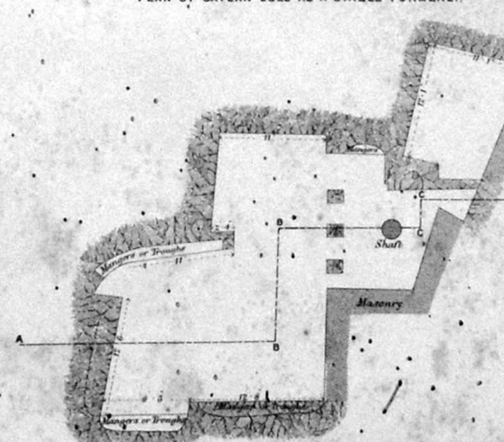
SECTION OF OPHEL WALL.
AT S.E. ANGLE OF NOBLE SANCTUARY.



SECTION THROUGH SINGLE GATE, SEE PLATE XX.

Scale

PLAN OF CAVERN USED AS A STABLE FORMERLY.

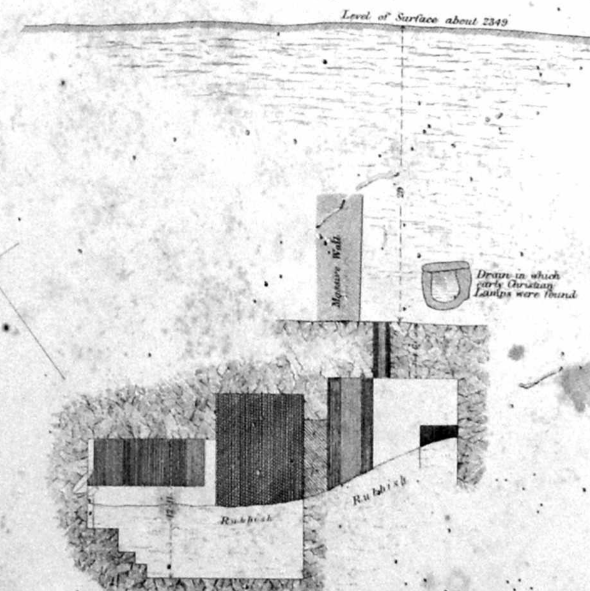




SECTION THRO TROUGH.

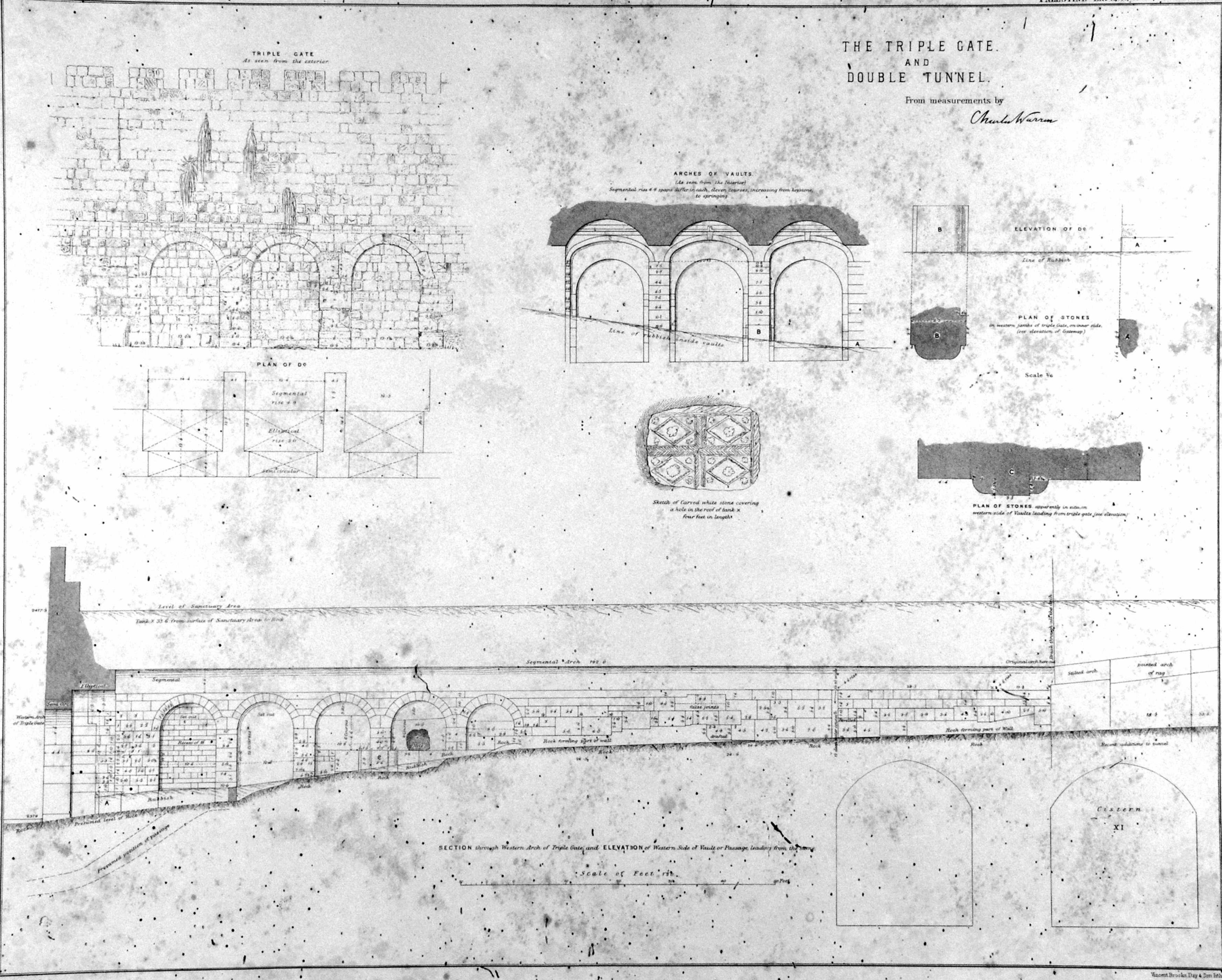
Stables cut out of the rock discovered 200 ft south of the Triple Gate
for position see Plate V.

Scale of Feet



SECTION ON A.B.C.D.

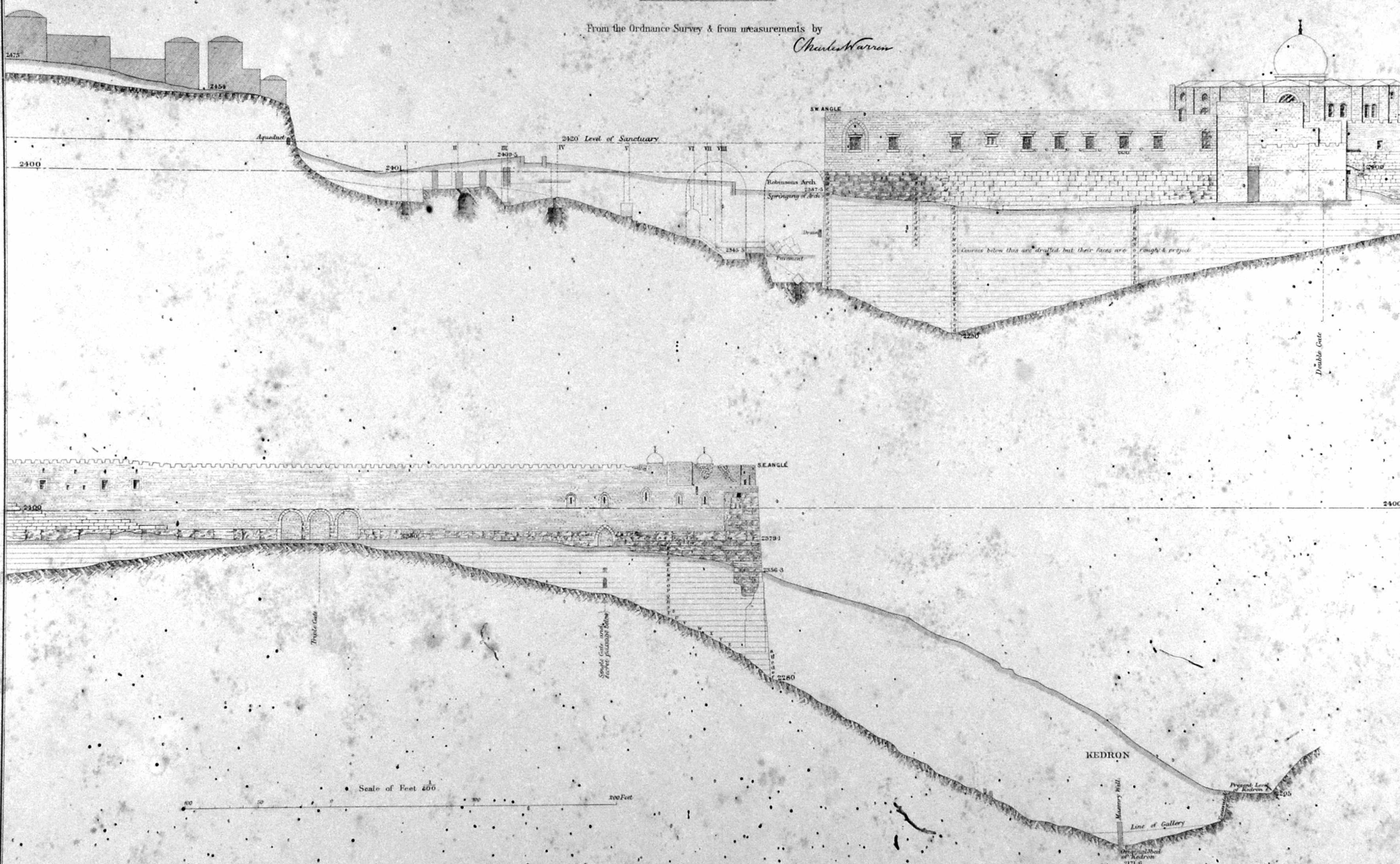
Vincent Brooks Day & Son Lith.


THE TRIPLE GATE.
AND
DOUBLE TUNNEL.
From measurements by
Charles Warren
TRIPLE GATE
As seen from the exterior
PLAN OF Do
Segmental
rise 4 9
Elliptical
rise 3 0
Semicircular
ARCHES OF VAULTS.
(As seen from the Interior)
Segmental rise 4 9 spans differ in each, eleven courses, increasing from keystone, to springing
Line of Rubbish inside vaults
ELEVATION OF Do
Line of Rubbish
PLAN OF STONES
in western jambs of triple Gate, on inner side. (see elevation of Gateway)
Scale 1/6
Sketch of Carved white stone covering a hole in the roof of tank x four feet in length
PLAN OF STONES apparently in situ on western side of Vaults leading from triple gate (see elevation)
Level of Sanctuary Area
Segmental Arch
Elliptical
Semi Circ.
Western Arch of Triple Gate
Rubbish
Rock
Presumed level of Rock
Presumed position of Passage
Rock forming part of wall
Rock forming part of Wall
False joints
drafted
Stilted arch
pointed arch of rag
Recent additions to tunnel
Cistern
XI
SECTION through Western Arch of Triple Gate and ELEVATION of Western Side of Vault or Passage, leading from the same
Scale of Feet
Vincent Brooks, Day & Son lith.

For Details see Plates XX. XXIV. XXV. XXVII. XXIX. & XXXVIII.

SECTION AND ELEVATION SHEWING SOUTH FRONT OF THE NOBLE SANCTUARY FROM THE UPPER CITY TO THE KEDRON VALLEY.

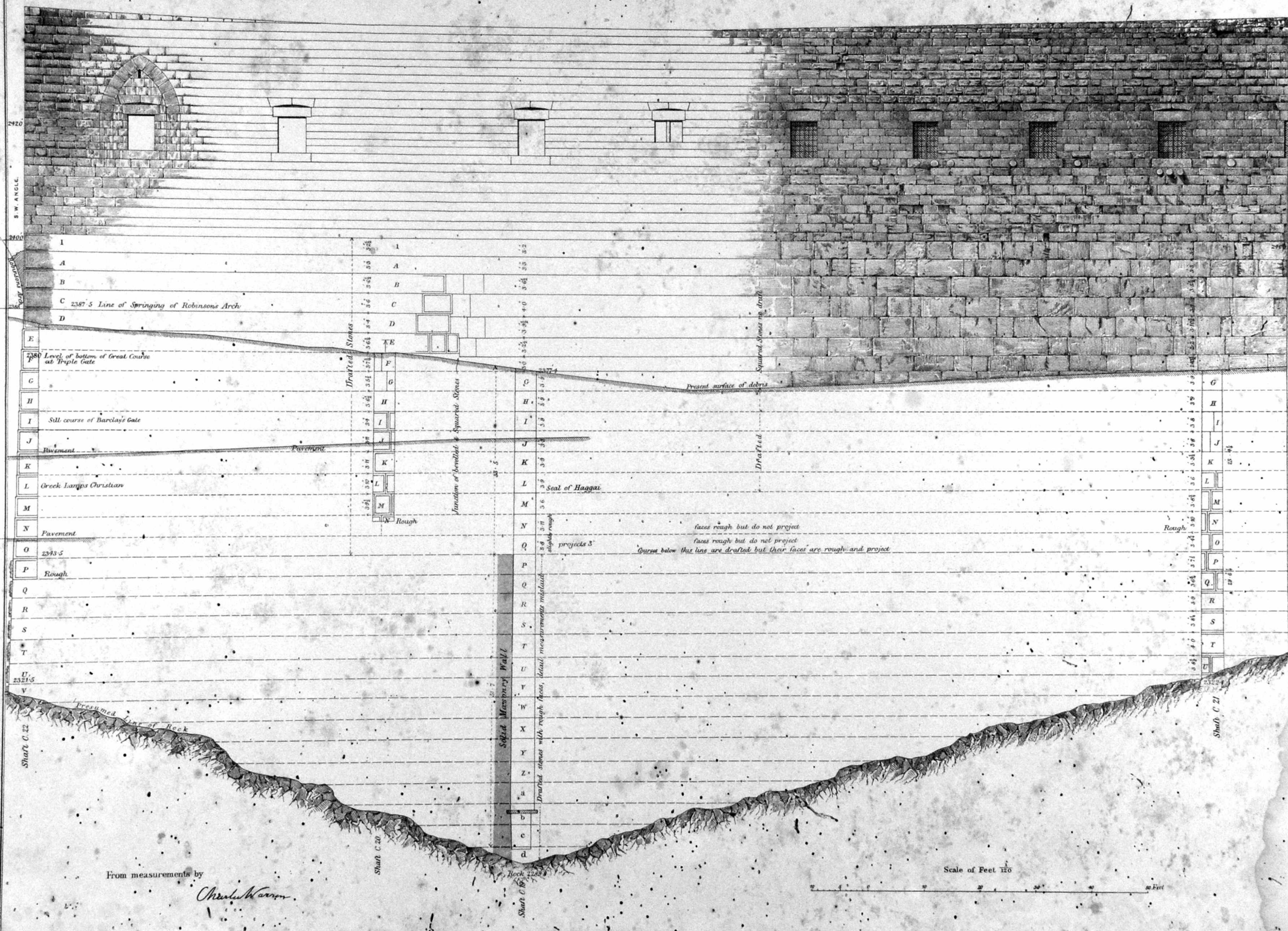
From the Ordnance Survey & from measurements by Charles Warren



SOUTH FRONT OF NOBLE SANCTUARY

AT SOUTH WEST ANGLE.

See Plate XXXVIII



From measurements by
Charles Warren

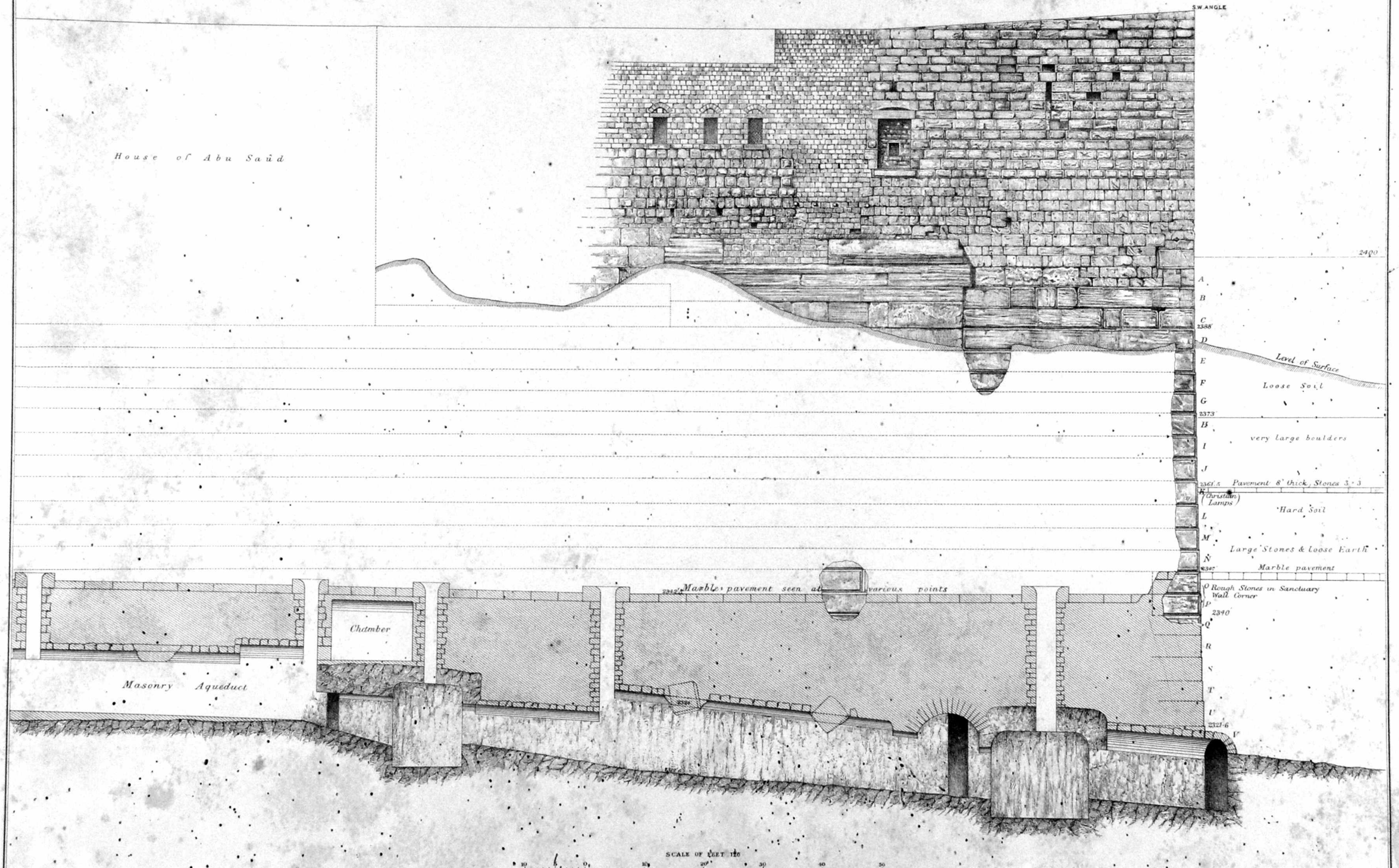
Vincent Brooks, Day & Son Lith.

ELEVATION OF ROBINSON'S ARCH AND SOUTH WEST ANGLE AND ROCK CUT AQUEDUCT BENEATH.

See Plates XXVII. XXIX. & XXX.

From measurements by

Charles Warren

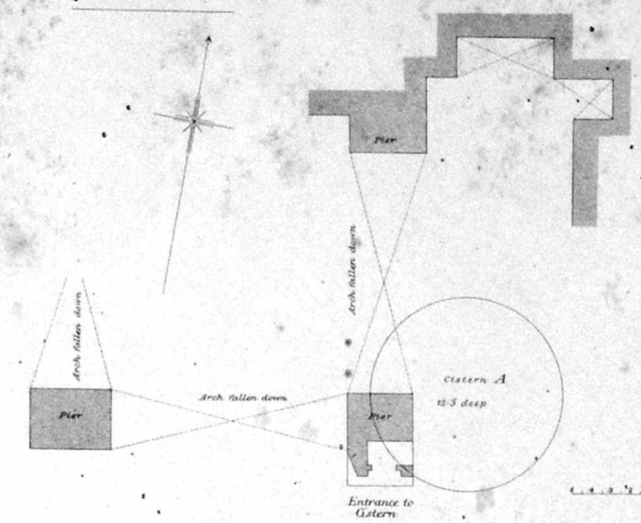


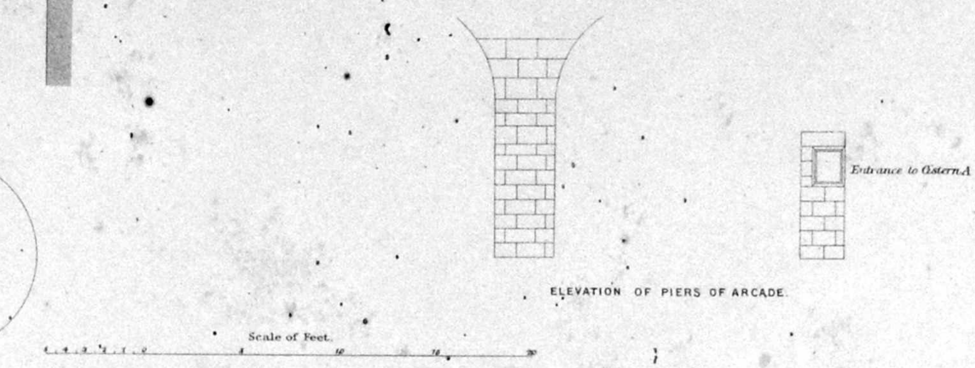
Vincent Brooks Day & Son Lith.

PLAN OF PORTION OF ARCADE EXCAVATION No. 11.

TYROPŒON VALLEY PLATE XXVI.

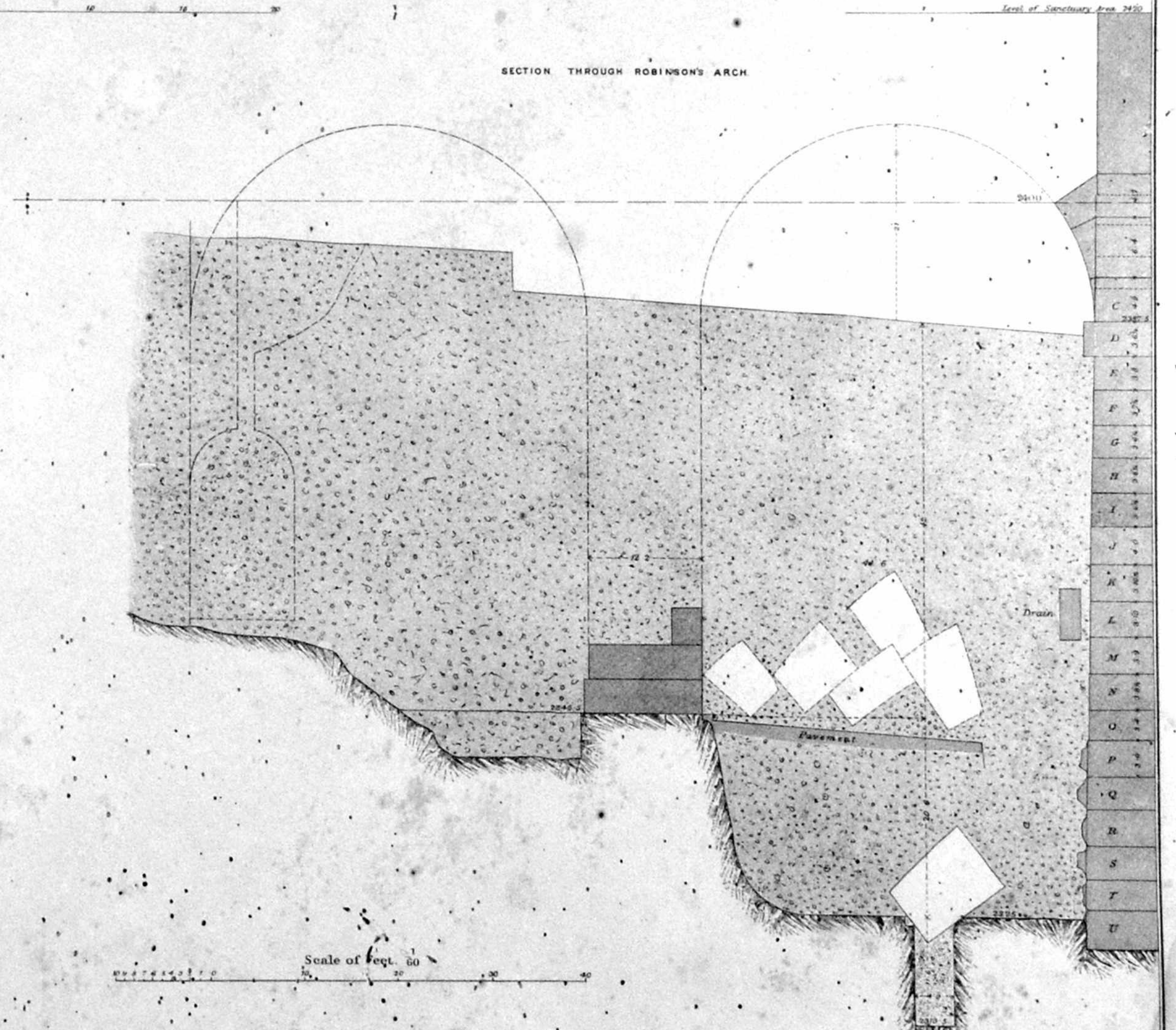
See Plates XXVII. XXVIII. XXX.



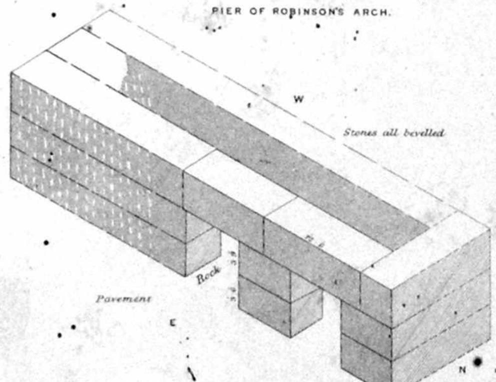


ELEVATION OF PIERS OF ARCADE.

SECTION THROUGH ROBINSON'S ARCH.



PIER OF ROBINSON'S ARCH.



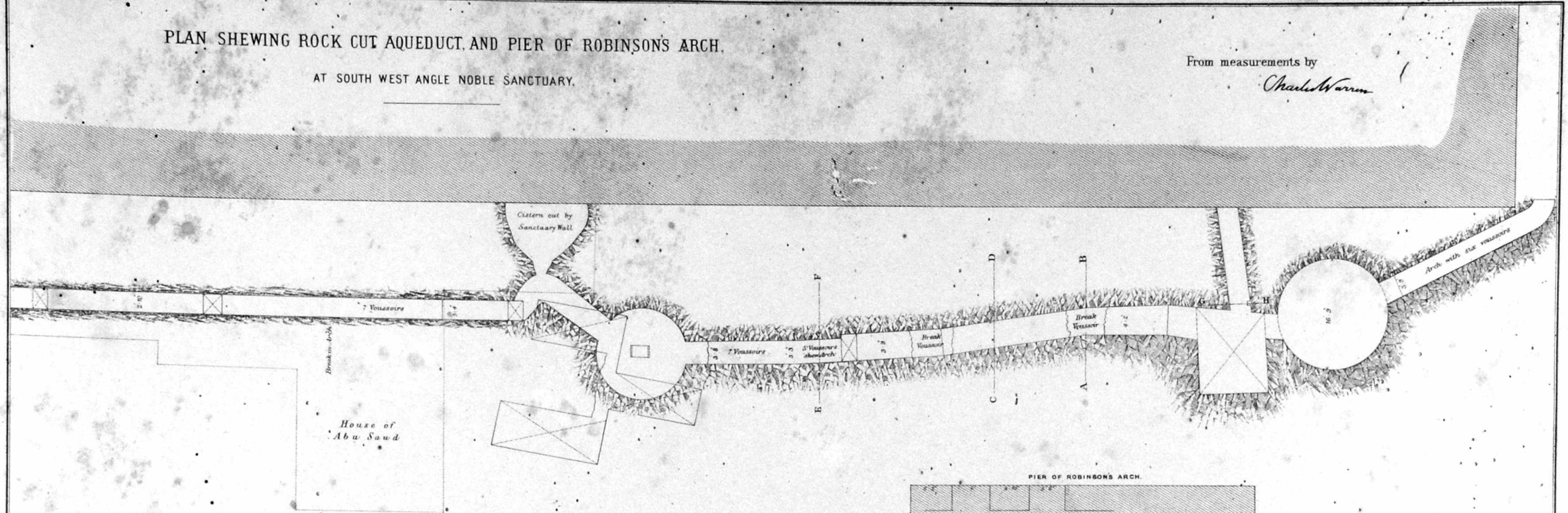
From measurements by Charles Warren

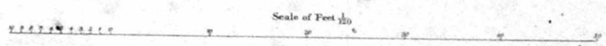
Vincent Brooks Day & Son Lith.

PLAN SHEWING ROCK CUT AQUEDUCT, AND PIER OF ROBINSON'S ARCH.

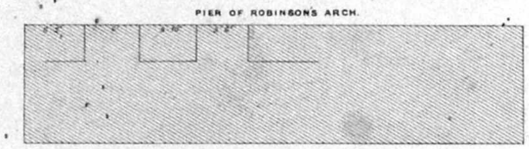
AT SOUTH WEST ANGLE NOBLE SANCTUARY.

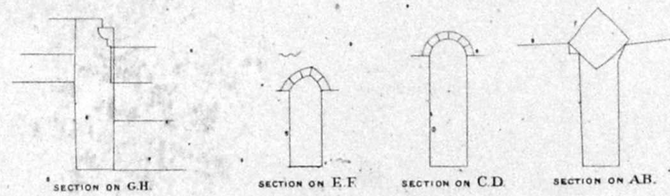
From measurements by
Charles Warren

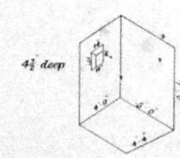


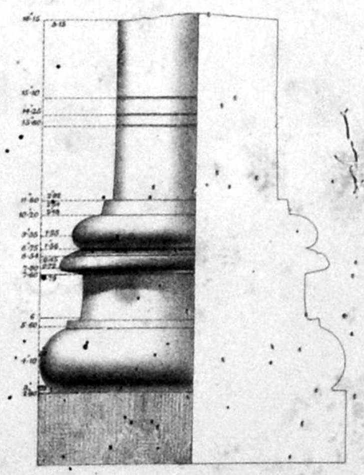


PIER OF ROBINSON'S ARCH.

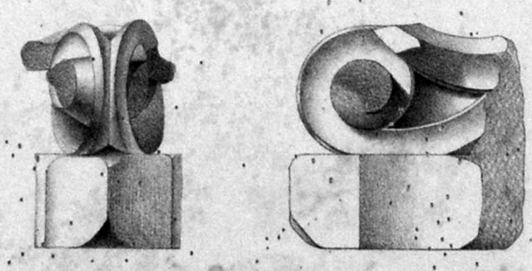






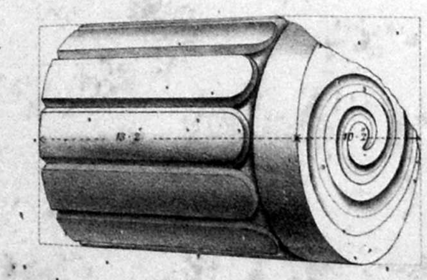


Shaft and Base of a Column found on the 18th Decr 1868 in a Rock cut passage about eighty feet north of Robinson's Arch about 75 feet below present surface of ground. The Stone out of which it is cut is soft and close grained and in good preservation Scale one fourth size



Portion of Corinthian Capital of fine white Marble, found 16 Decr 1868 at Shaft G 55. on road leading from Burj al Kibryt, and about 400 feet from the Pool of Silpam

Scale ¼ size



Volute of an Ionic column found in a Cistern near Wilson's Arch Scale one fourth size

Vincent Brooks Day & Son Lith

PLAN & SECTIONS OF ANCIENT PASSAGE

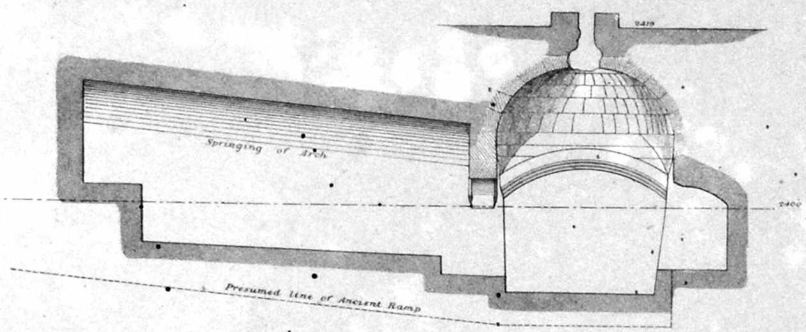
LEADING TO NOBLE SANCTUARY FROM

BARCLAY'S GATE.

See Plates X & XXXII.

From measurements by

Charles Warren

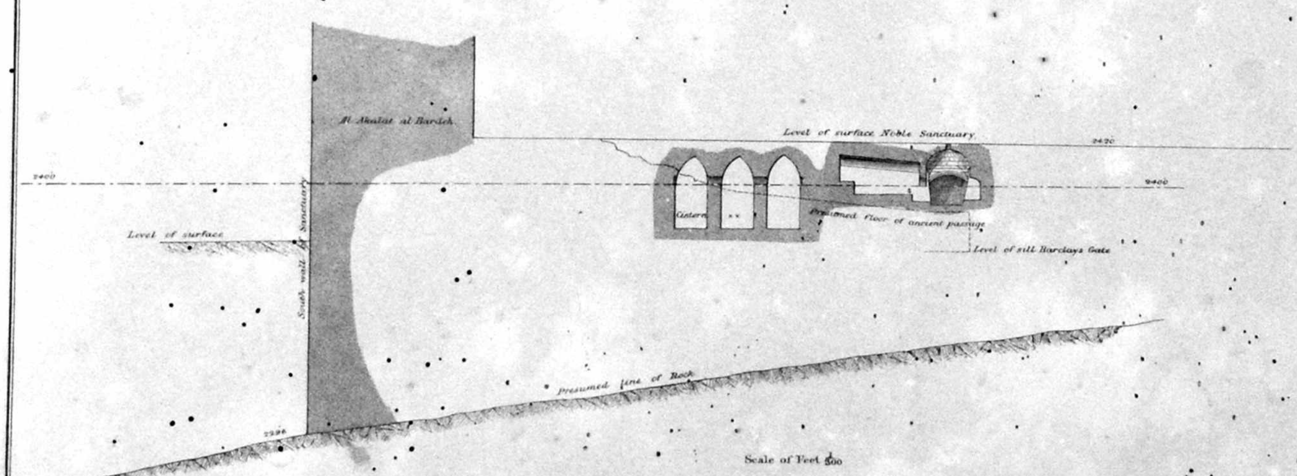


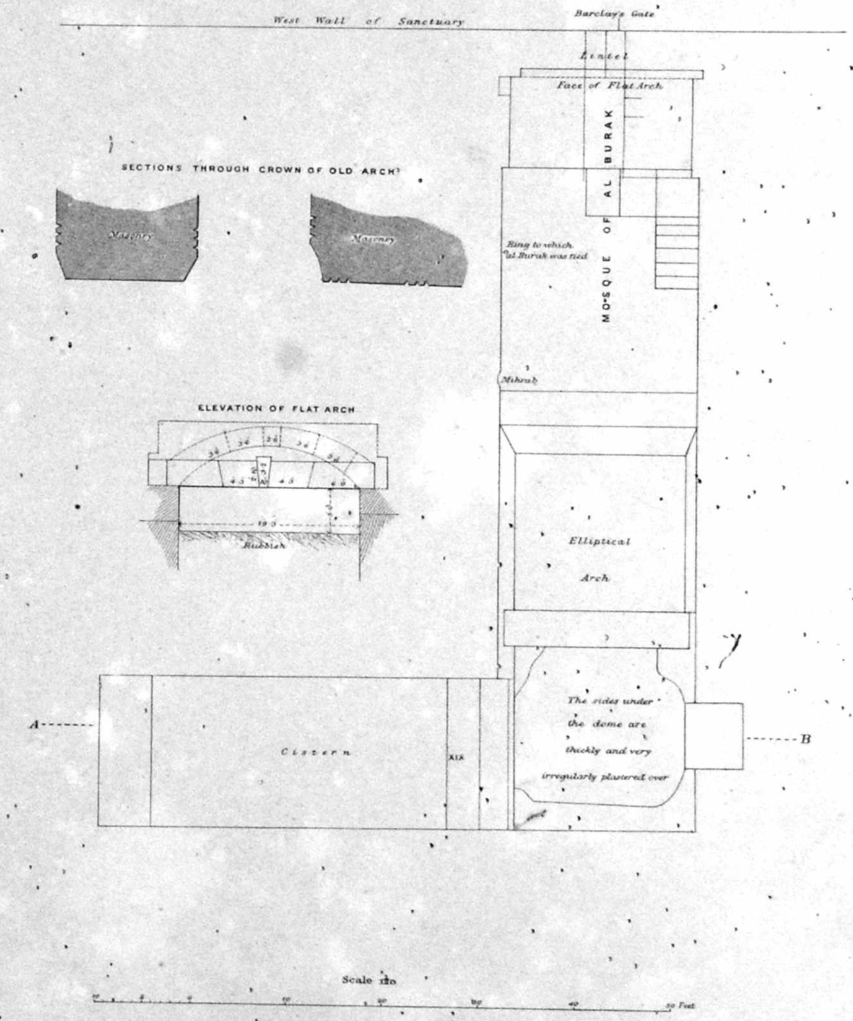
Scale 1/20

SECTION ON A.B.

SECTION PARALLEL TO THE SANCTUARY WALL, THROUGH CISTERNS XIX & XX.

Shewing the remains of an ancient passage





Vincent Brooks, Day & Son Lith.

See Plates X & XXXI

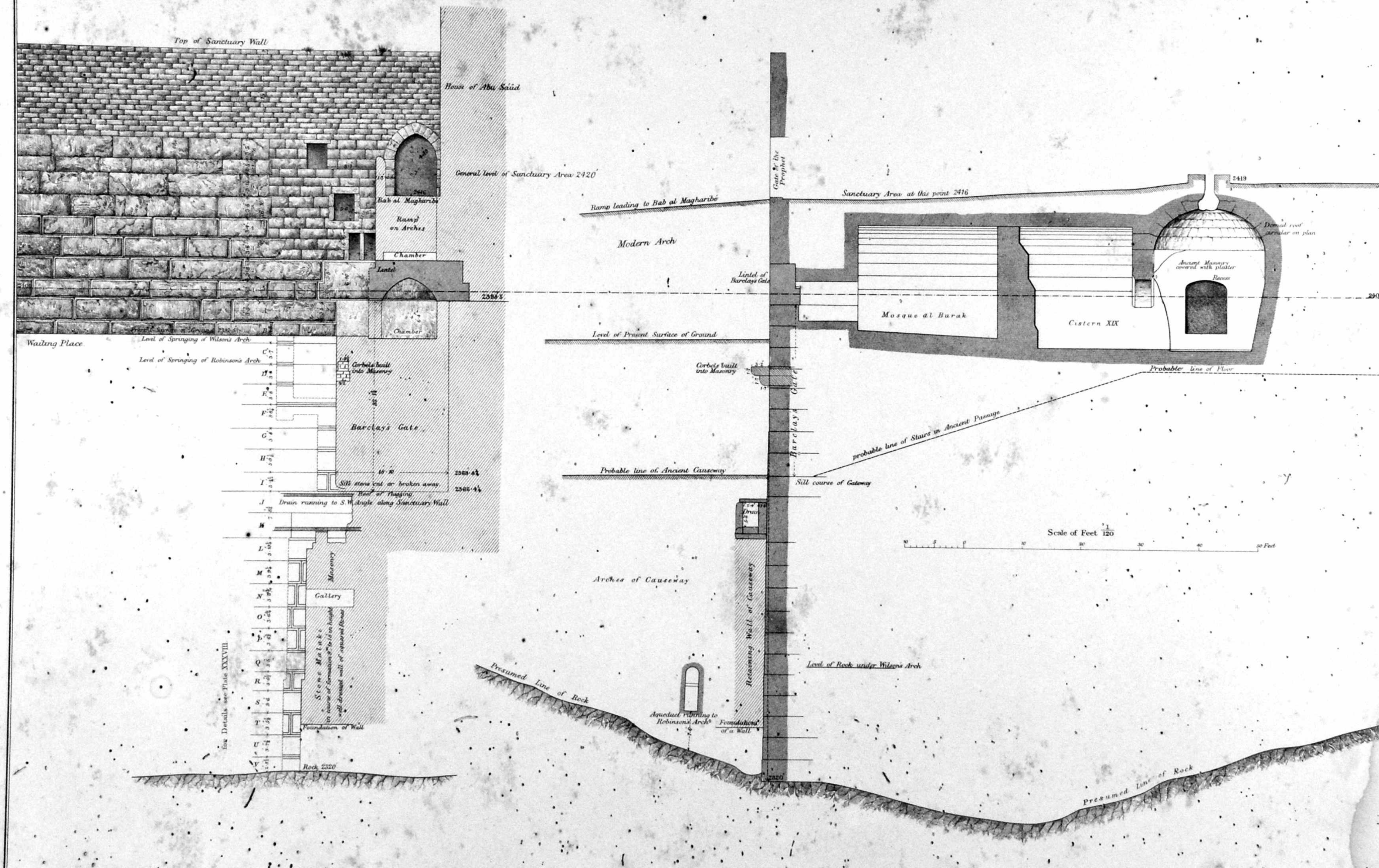
ELEVATION AND SECTION OF SANCTUARY WALL,

AT BARCLAYS GATE OR BAB 'AL MAGHARIBÉ,

SHEWING A PORTION OF THE WAILING PLACE.

From measurements by

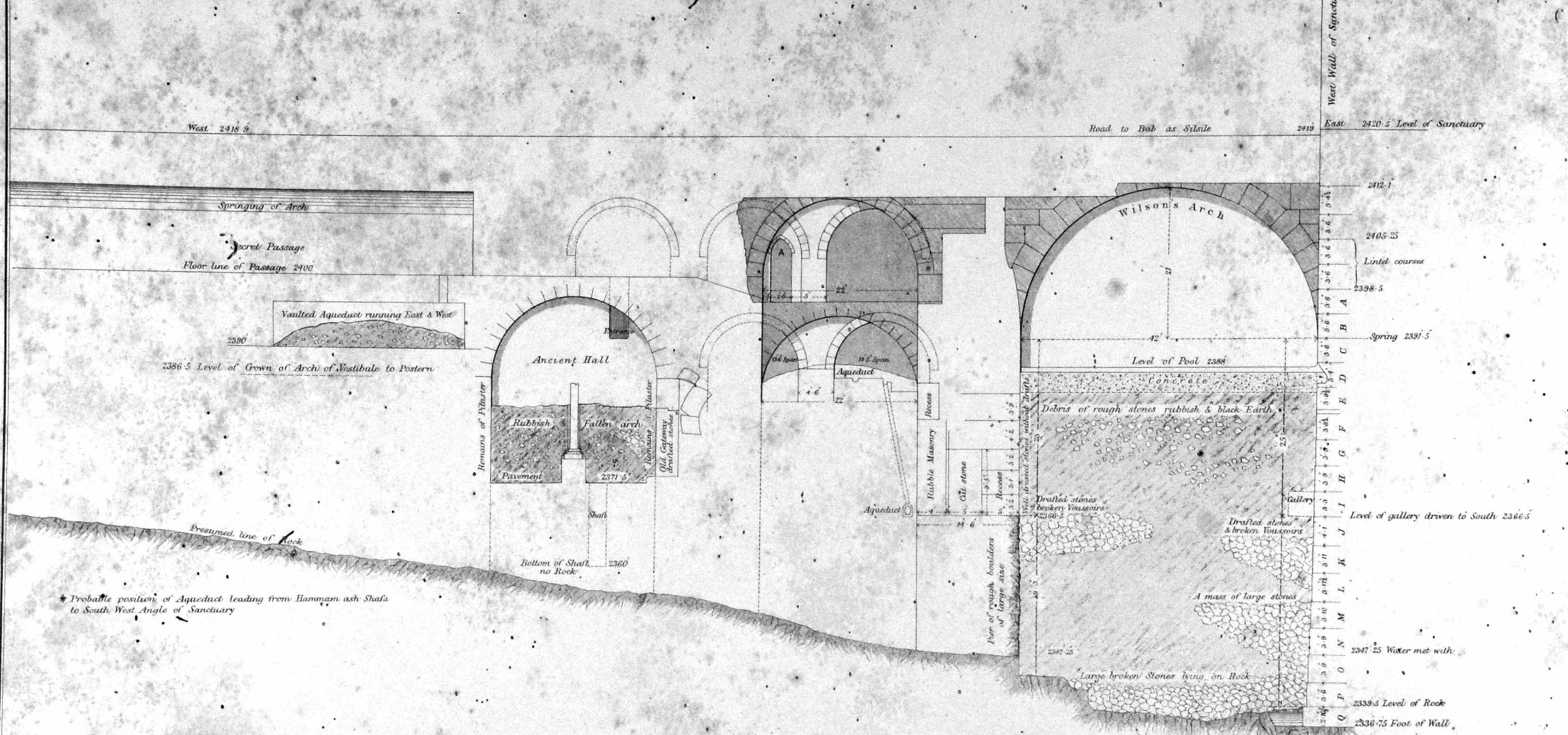
Charles Warren



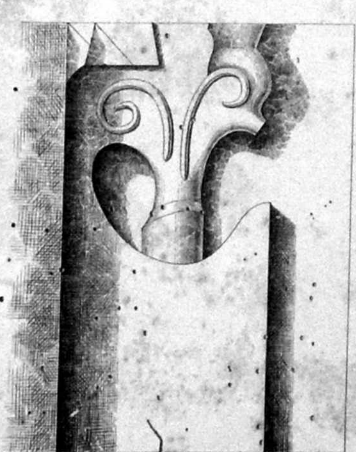
Vincent Brooks Day & Son Lith.

SECTION THROUGH THE GREAT CAUSEWAY VAULTS, & WILSONS ARCH

See Plates XXXIV. to XXXVI. & XXXVIII.

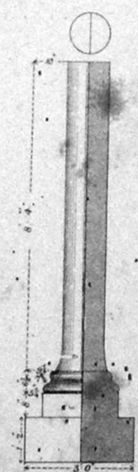


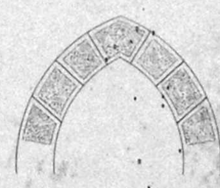
Scale ¼.



CAPITAL OF PILASTER IN CORNER OF ANCIENT HALL.

Scale 1/32.





ARCH AT A.

Scale of Feet.

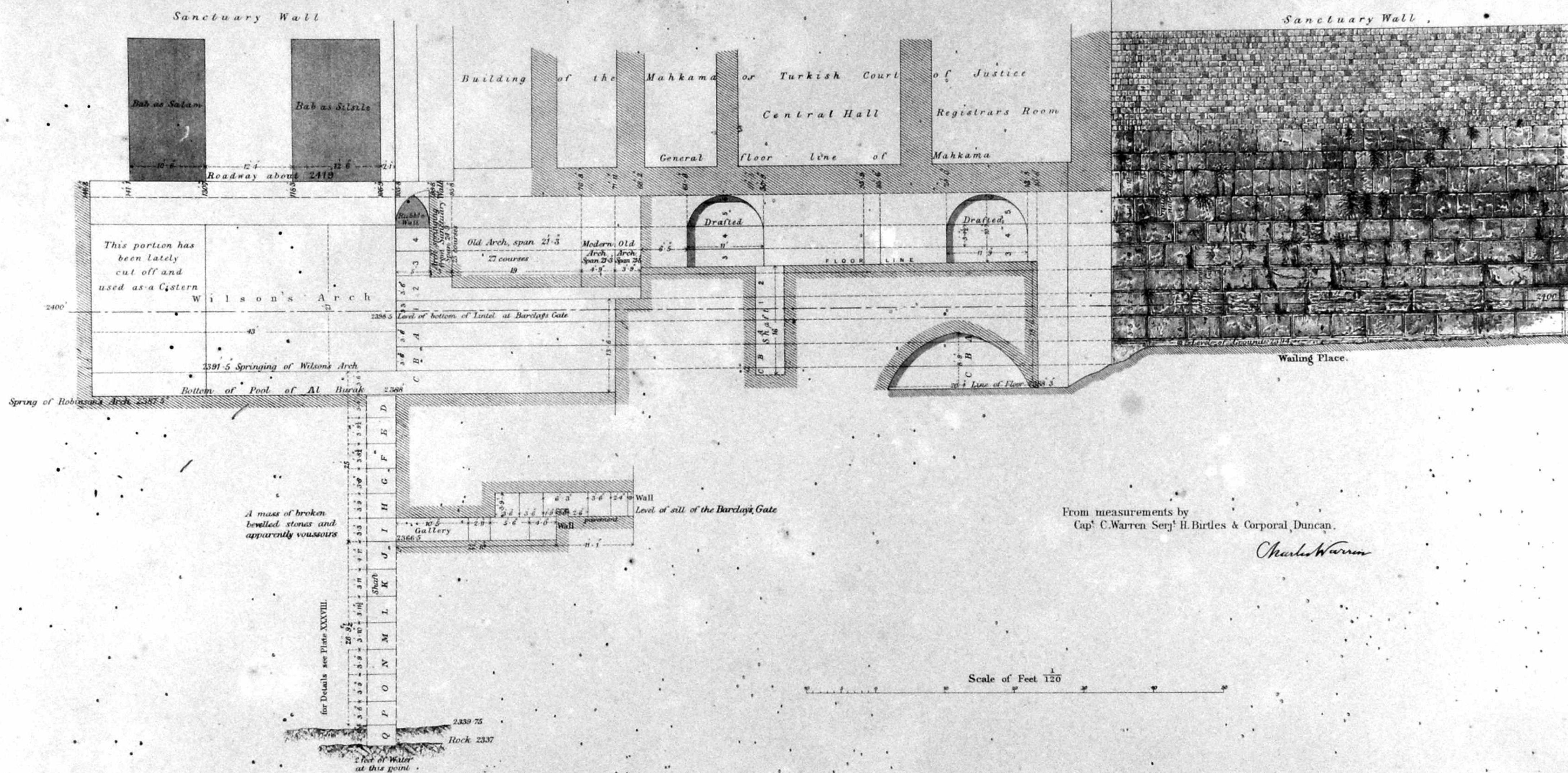
From measurements by

Charles Warren

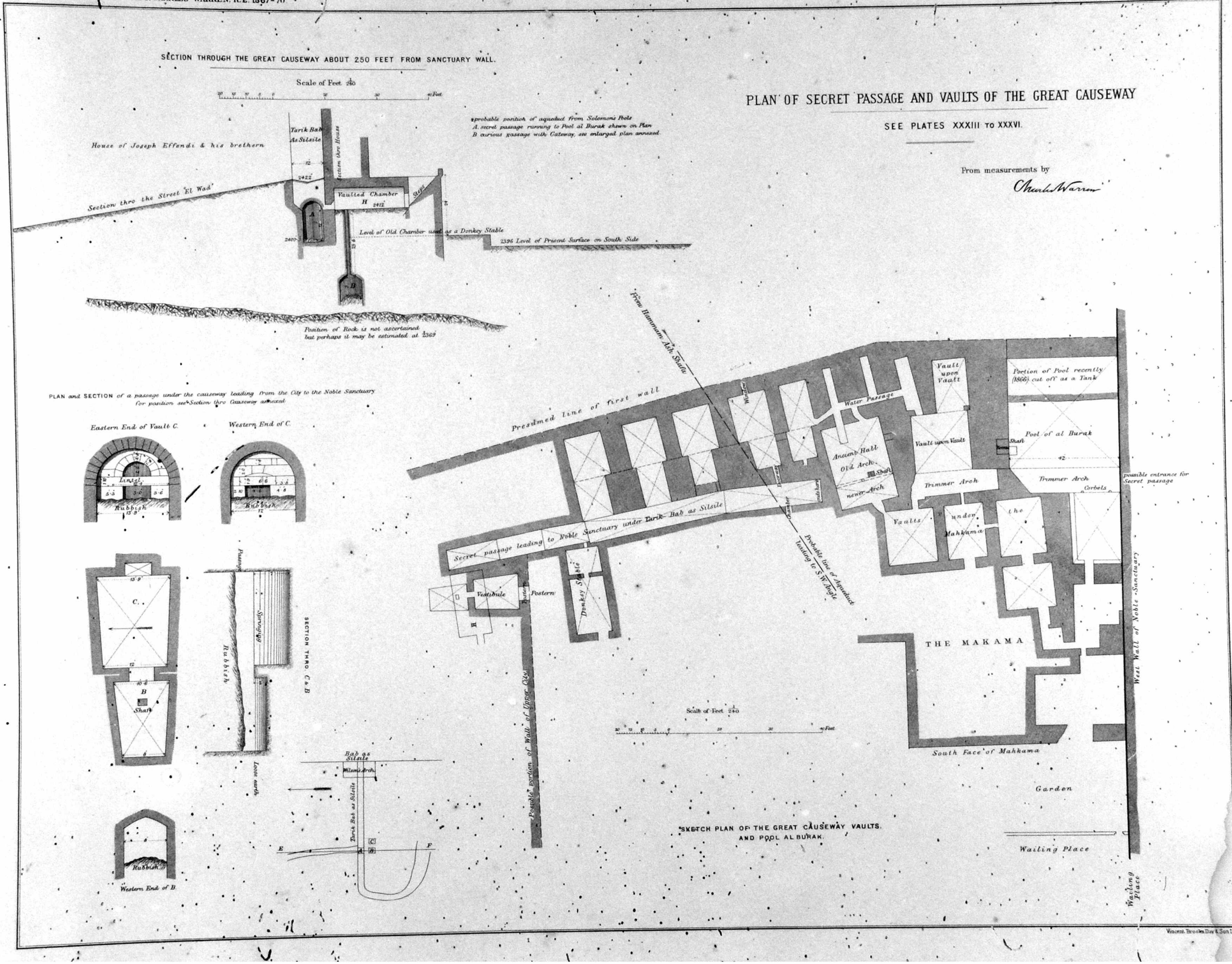
See Plates XXXIII. to XXXVI. & XXXVIII.

SECTION AND ELEVATION OF VAULTS OF THE GREAT CAUSEWAY,

AT THE WEST SANCTUARY WALL NEAR THE MAHKAMA.



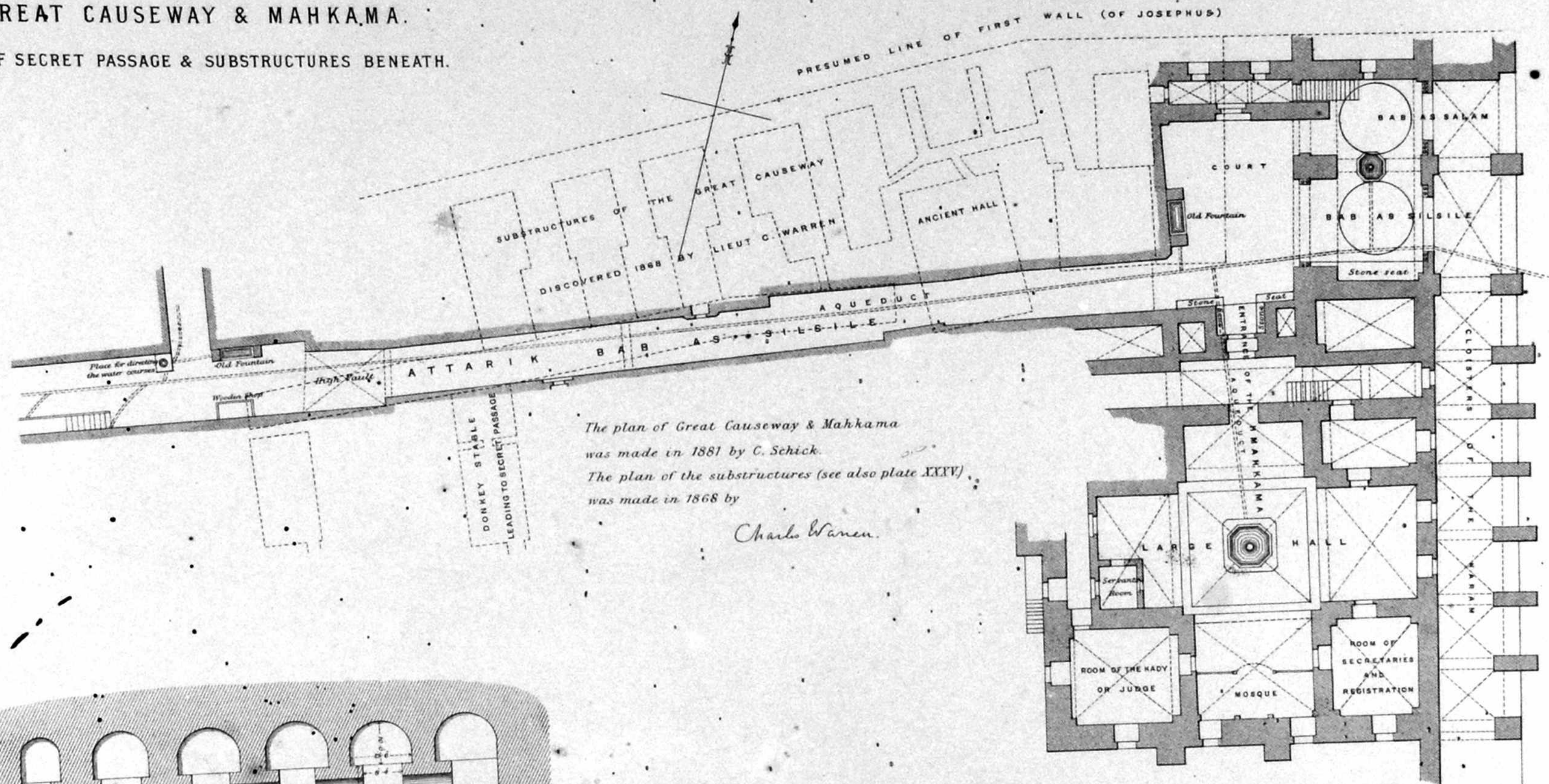
Vincent Brooks Day & Son Lith.


SECTION THROUGH THE GREAT CAUSEWAY ABOUT 250 FEET FROM SANCTUARY WALL.
Scale of Feet 1/240
PLAN OF SECRET PASSAGE AND VAULTS OF THE GREAT CAUSEWAY
SEE PLATES XXXIII TO XXXVI.
From measurements by
Charles Warren
probable position of aqueduct from Solomon's Pools
A. secret passage running to Pool al Burak shewn on Plan
B curious passage with Gateway, see enlarged plan annexed
House of Joseph Effendi & his brethern
Tarik Bab As Silsile
Section thro House
Section thro the Street El Wad
Vaulted Chamber
H
Steps
Level of Old Chamber used as a Donkey Stable
2396 Level of Present Surface on South Side
Position of Rock is not ascertained but perhaps it may be estimated at 2369
PLAN and SECTION of a passage under the causeway leading from the City to the Noble Sanctuary for position see Section thro Causeway annexed
Eastern End of Vault C.
Western End of C.
Lintel
Rubbish
C.
B
Shaft
Passage
Rubbish
Loose earth
SECTION THRO. C & B
Western End of B.
Bab as Silsile
Wilson's Arch
Tarik Bab as Silsile
E
F
Presumed line of first wall
From Hammam Ash Shafa
Probable line of Aqueduct leading to S.W. Angle
Secret passage leading to Noble Sanctuary under Tarik Bab as Silsile
Vestibule
Postern
Donkey Stable
Possible portion of Wall of Upper City
Water Passage
Vault upon Vault
Portion of Pool recently (1866) cut off as a Tank
Pool of al Burak
Shaft
Ancient Hall
Old Arch
Shaft
newer Arch
Trimmer Arch
Corbels
possible entrance for Secret passage
Vaults under the Mahkama
THE MAKAMA
South Face of Mahkama
Garden
West Wall of Noble Sanctuary
Wailing Place
SKETCH PLAN OF THE GREAT CAUSEWAY VAULTS AND POOL AL BURAK.
Vincent Brooks Day & Son Lith

See Plates XXXIII & XXXV.

PLAN OF GREAT CAUSEWAY & MAHKAMA.

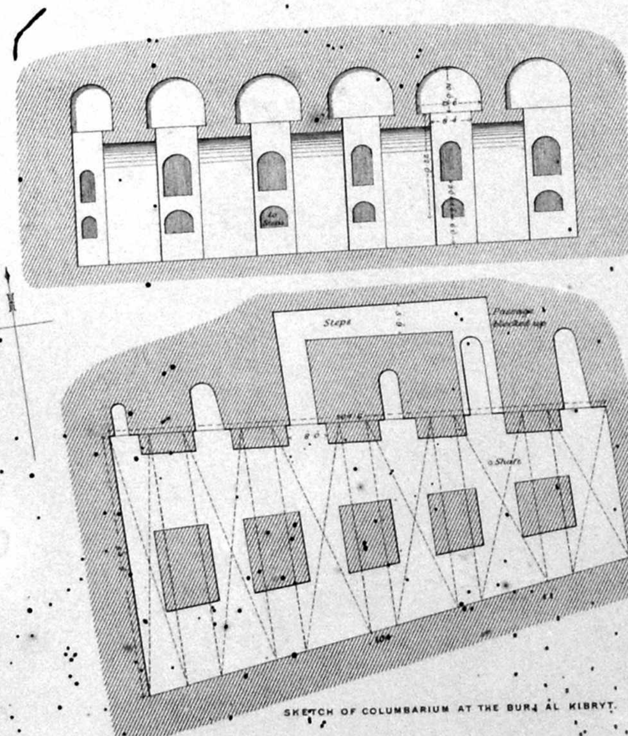
SHEWING POSITION OF SECRET PASSAGE & SUBSTRUCTURES BENEATH.



The plan of Great Causeway & Mahkama was made in 1881 by C. Schick.
The plan of the substructures (see also plate XXXV) was made in 1868 by

Charles Warren

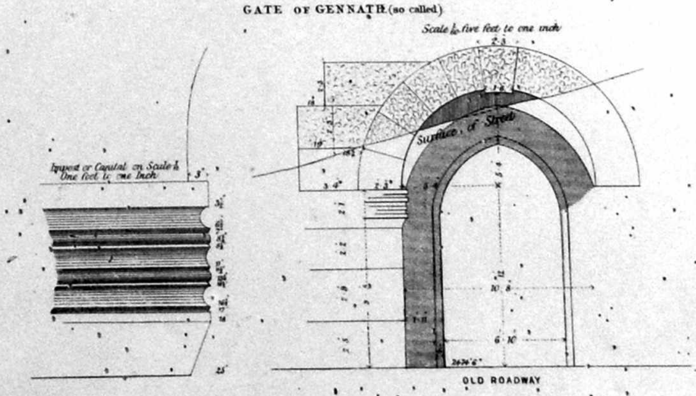
Scale of Feet $\frac{1}{240}$.



SKETCH OF COLUMBARIUM AT THE BURJ AL KIBRYT.

GATE OF GENNATH (so called)

Scale $\frac{1}{60}$ five feet to one inch



Vincent Brooks, Day & Son, Lith.

See Plates IV. & XII.

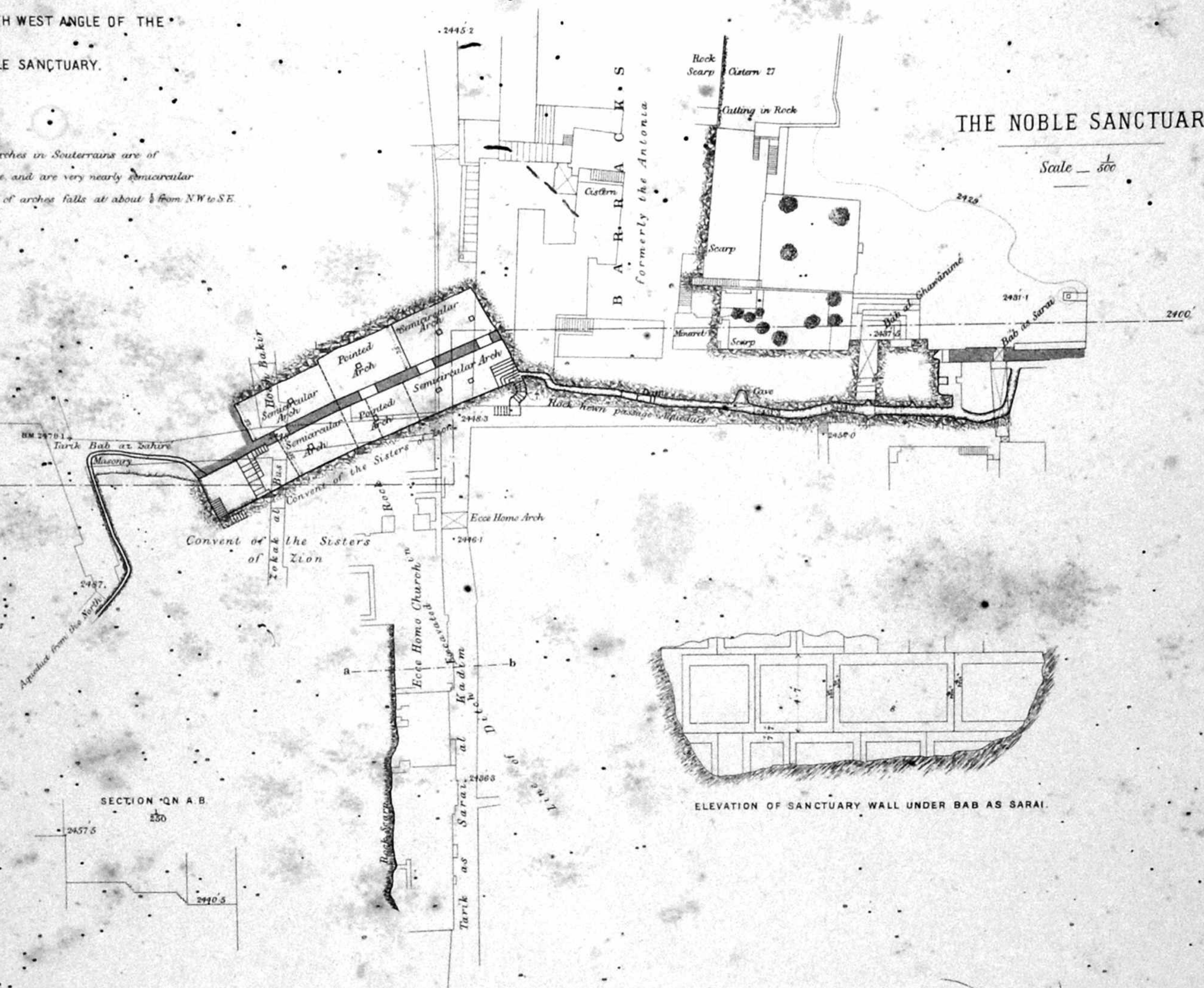
THE TWIN TUNNEL

AT THE NORTH WEST ANGLE OF THE NOBLE SANCTUARY.

N.B. The pointed arches in Souterrains are of an Ancient type and are very nearly semicircular the springing of arches falls at about ⅓ from N.W. to S.E.

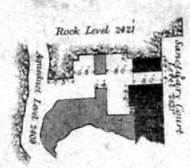
THE NOBLE SANCTUARY

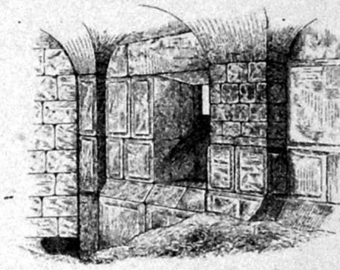
Scale 1/500



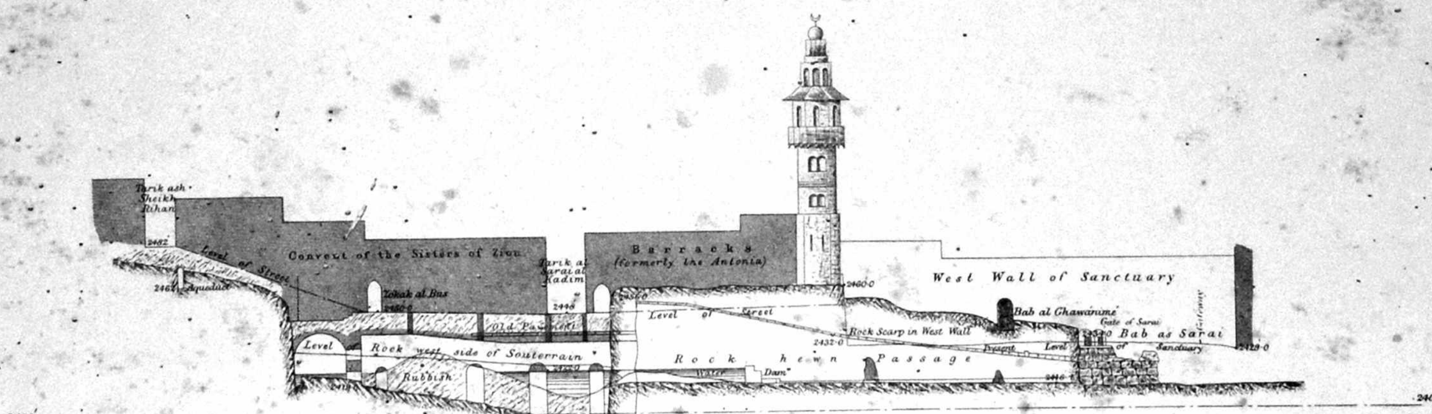
SECTION ON A.B. 1/250

ELEVATION OF SANCTUARY WALL UNDER BAB AS SARAI.





FROM A SKETCH BY LIEUT. C. CONDER, R.E.



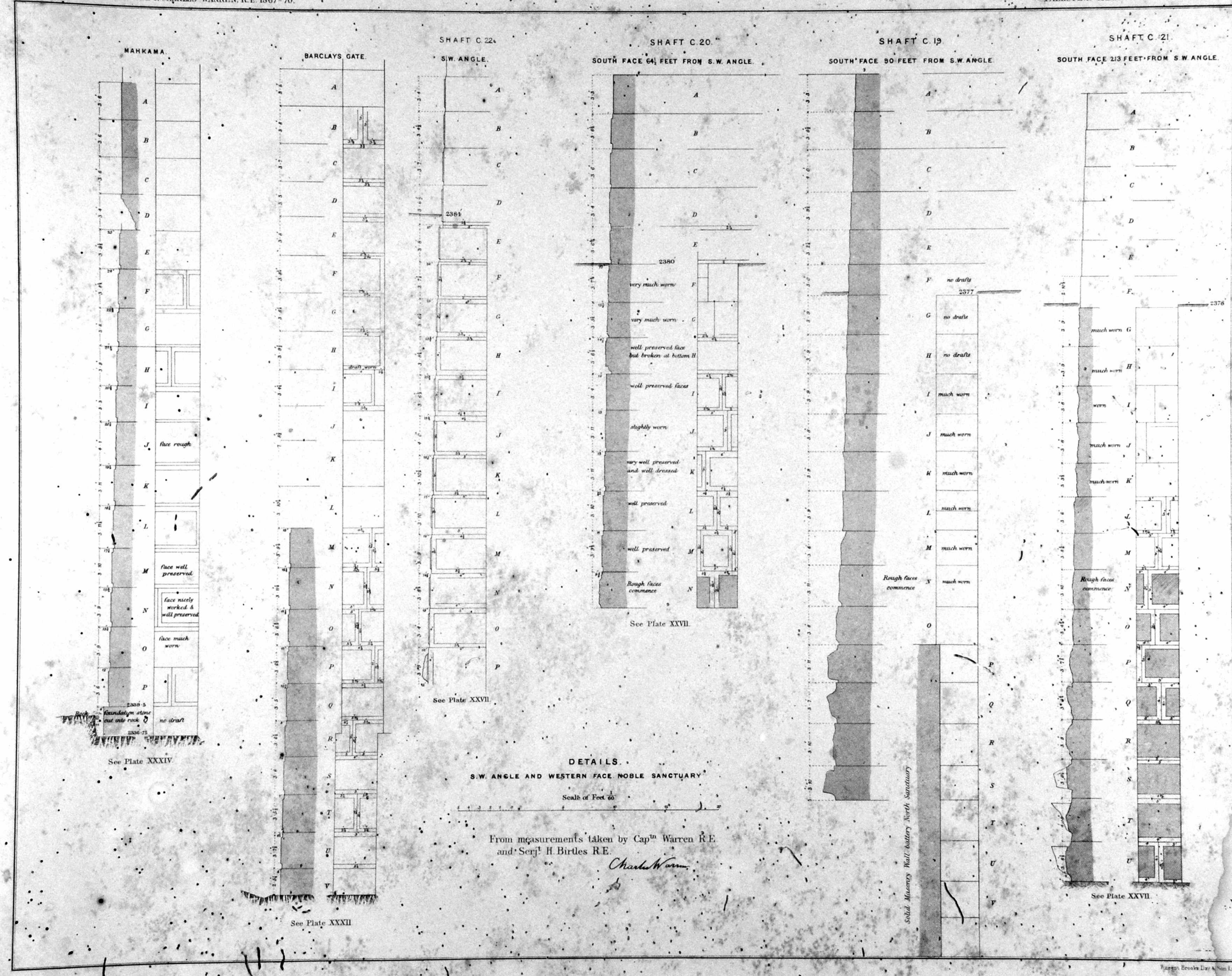
SECTION AND ELEVATION THROUGH TWIN TUNNEL ROCK HEWN PASSAGE.

Scale of Feet 1/250

From the measurments of Lieut. Warren R.E.
Herr Schick and Lieut. Conder

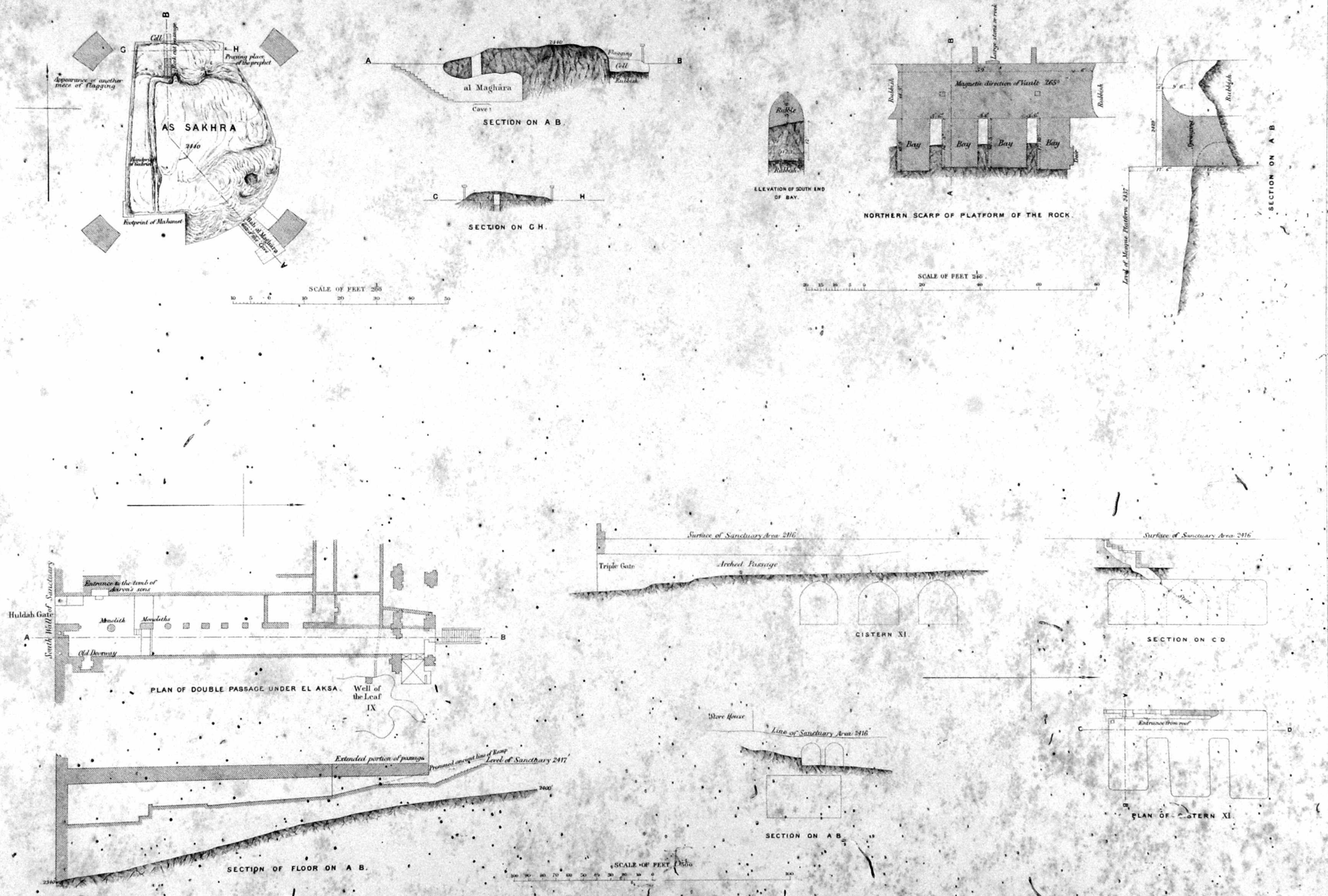
Charles Warren

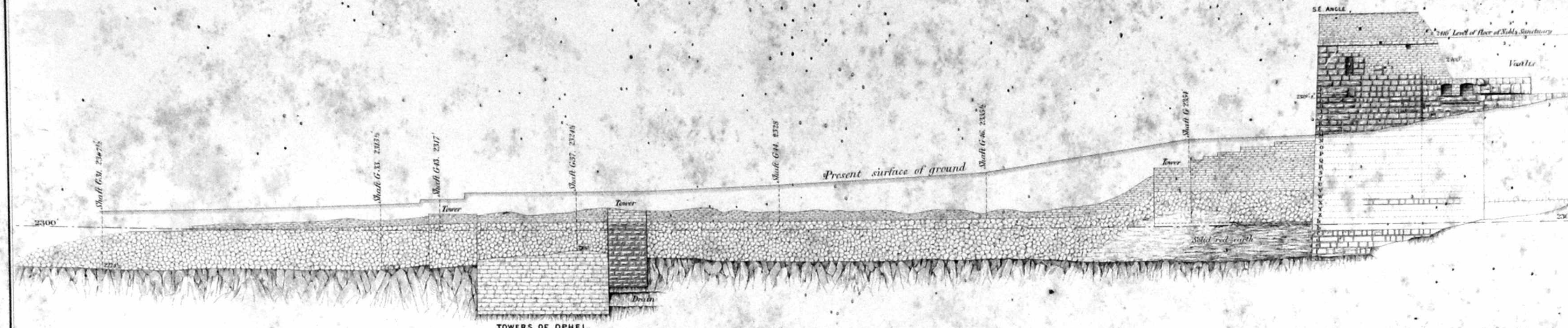
Vincent Brooks Day & Son lith.


MAHKAMA.
BARCLAYS GATE.
SHAFT C.22.
S.W. ANGLE.
SHAFT C.20.
SOUTH FACE 64½ FEET FROM S.W. ANGLE.
SHAFT C.19.
SOUTH FACE 90 FEET FROM S.W. ANGLE.
SHAFT C.21.
SOUTH FACE 213 FEET FROM S.W. ANGLE.
face rough
face well preserved
face nicely worked & well preserved
face much worn
foundation stone cut into rock
no draft
Rock
very much worn
well preserved face but broken at bottom
well preserved faces
slightly worn
very well preserved and well dressed
well preserved
Rough faces commence
no drafts
much worn
worn
Solid Masonry Wall battery North Sanctuary
2381
2380
2377
2378
See Plate XXXIV
See Plate XXXII
See Plate XXVII
DETAILS.
S.W. ANGLE AND WESTERN FACE NOBLE SANCTUARY
Scale of Feet
From measurements taken by Captn Warren R.E. and Serjt H. Birtles R.E.
Charles Warren

RESEARCHES INSIDE THE NOBLE SANCTUARY

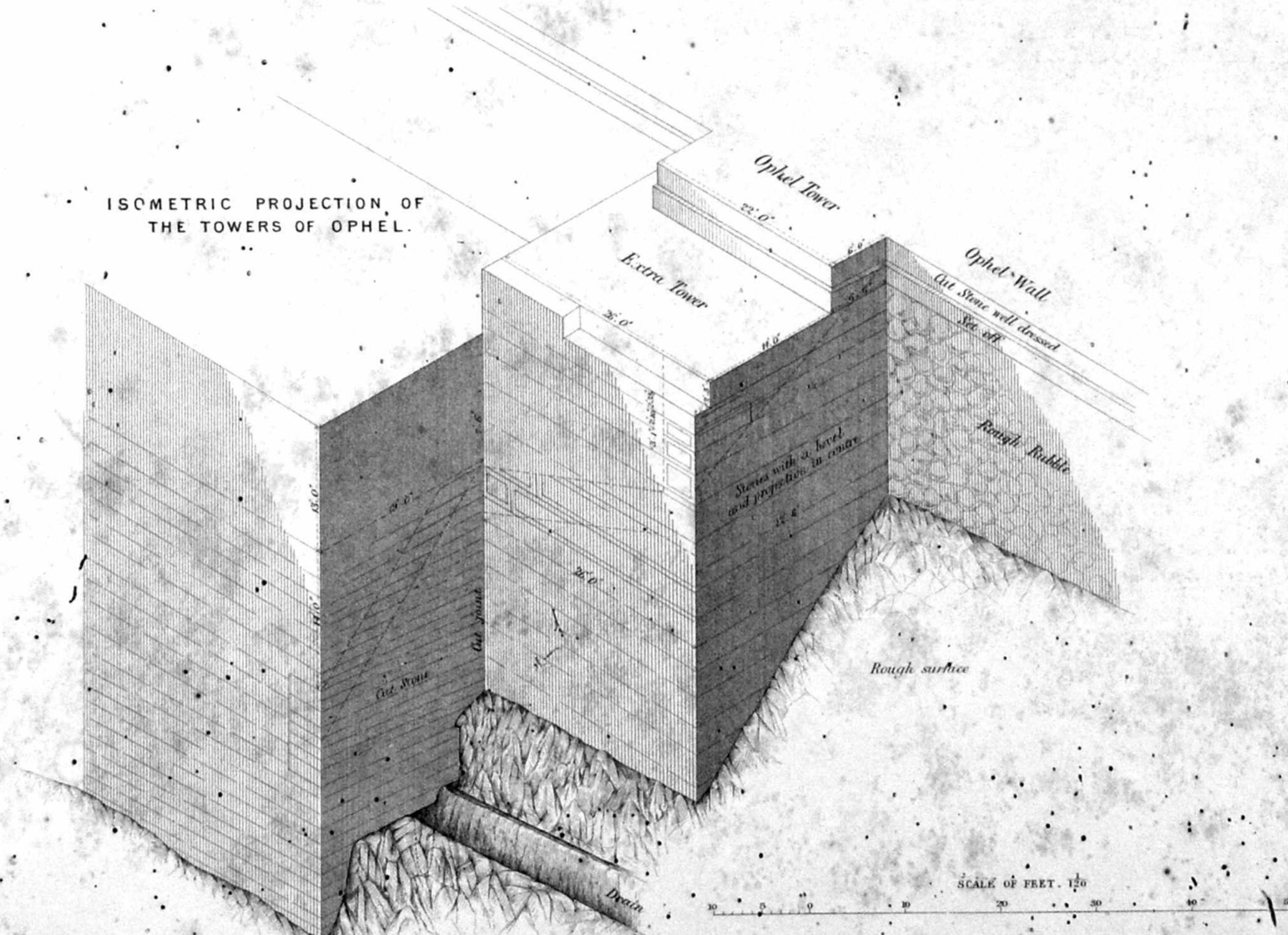
by Charles Warren



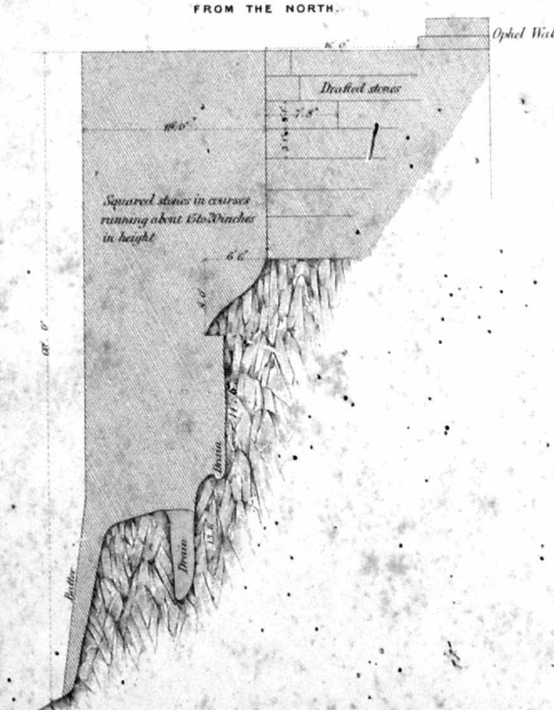


ELEVATION OF OPHEL WALL FROM EAST.

SCALE OF FEET $\frac{1}{500}$



ISOMETRIC PROJECTION OF THE TOWERS OF OPHEL.



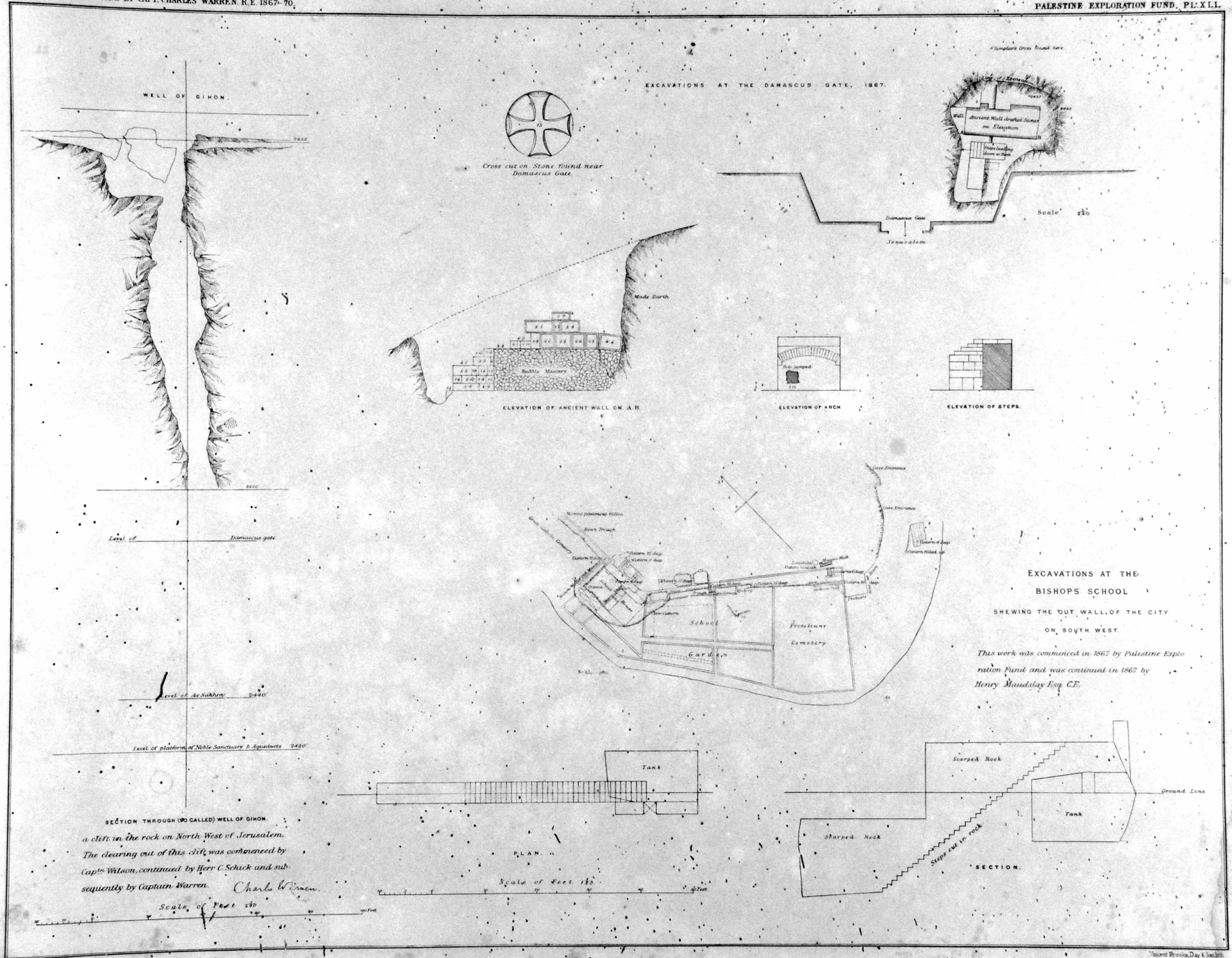
ELEVATION OF THE TOWERS OF OPHEL FROM THE NORTH.

SCALE OF FEET $\frac{1}{20}$

From measurements by Captn. Warren, R.E. and Sergt. H. Birtles, R.E.

Charles Warren

Vincent Brooks, Day & Son Lith.



SECTION THROUGH (SO CALLED) WELL OF GIHON.

a clift in the rock on North West of Jerusalem. The clearing out of this clift was commenced by Captn. Wilson, continued by Herr C. Schick and subsequently by Captain Warren.

Charles Warren

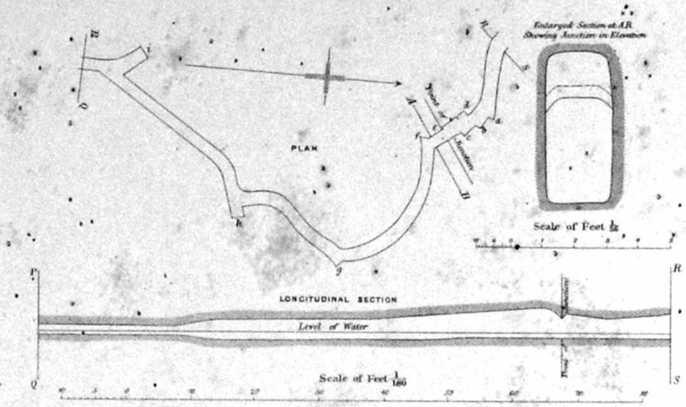
EXCAVATIONS AT THE BISHOPS SCHOOL

SHEWING THE OUT WALL OF THE CITY ON SOUTH WEST.

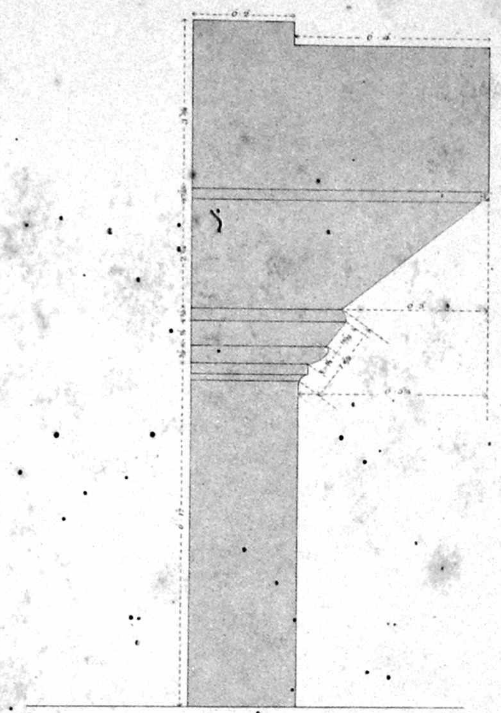
This work was commenced in 1867 by Palestine Exploration Fund and was continued in 1867 by Henry Maudslay Esq. C.E.

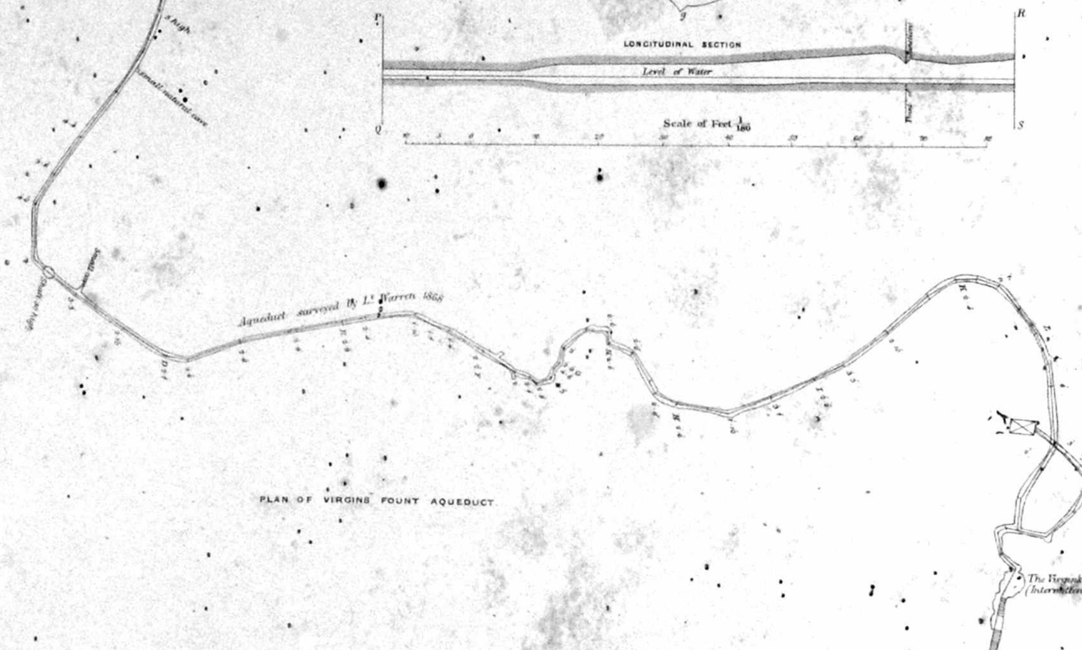
Vincent Brooks, Day & Son, lith.

VIRGINS FOUNT AQUEDUCT.
CENTRAL PORTION ENLARGED, BY CAPT. CONDER 1882.

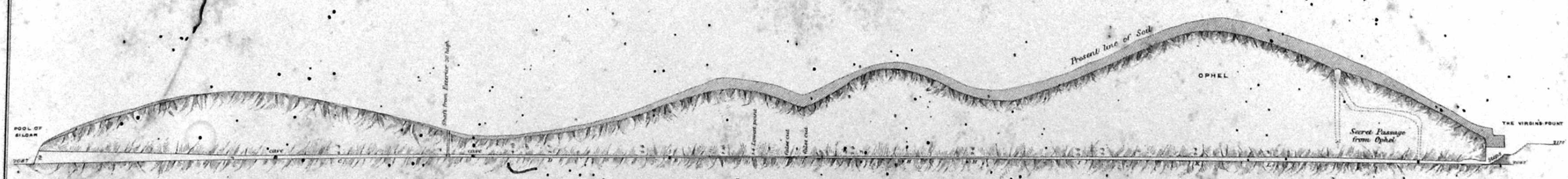


DORIC CAPITAL, FOUND BY PROFESSOR DONALDSON AT SILOAM.





PLAN OF VIRGINS FOUNT AQUEDUCT.



SECTION THROUGH ROCK OF OPHEL ALONG COURSE OF THE VIRGINS FOUNT AQUEDUCT.

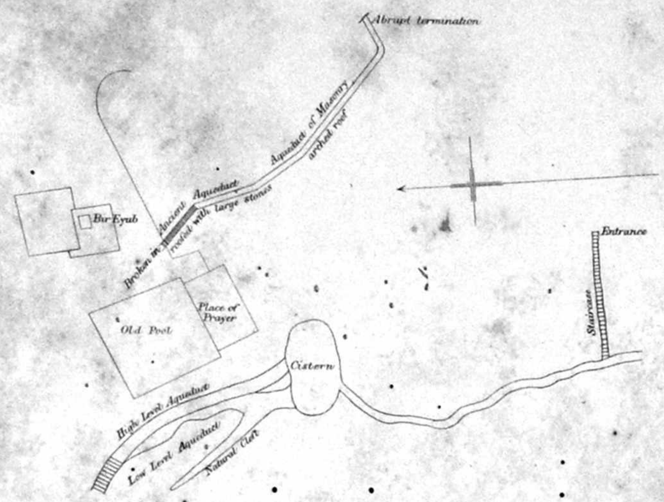
See Plates XLI & XLIV.

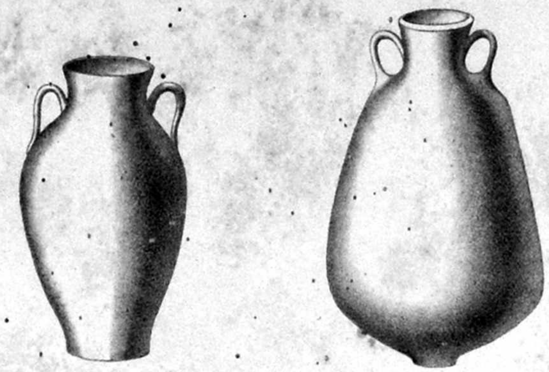
Scale of Feet $\frac{1}{1000}$

From measurements by Professor Donaldson.
Captn. Warren Lieut. Conder & Sergt. Birtles.
Charles Warren

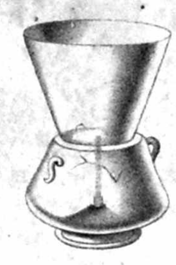
Vincent Brooks Day & Son lith.

PLAN SHEWING THE POSITION OF THE GREAT AQUEDUCT WITH REGARD TO BIR EYUB.



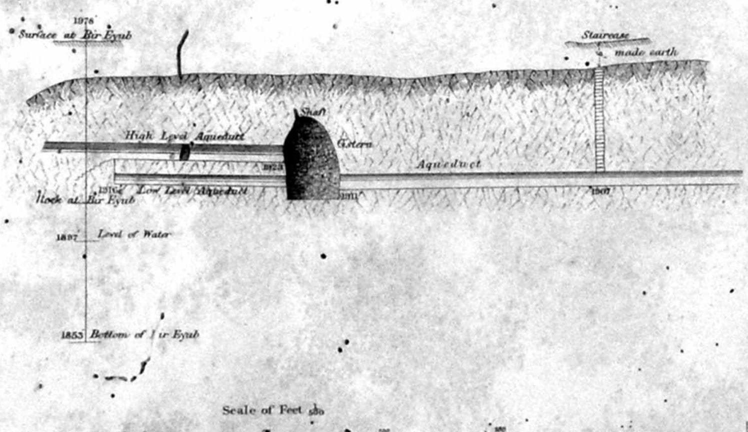


RED POTTERY JARS DISCOVERED AT OPHEL ¼ SIZE.

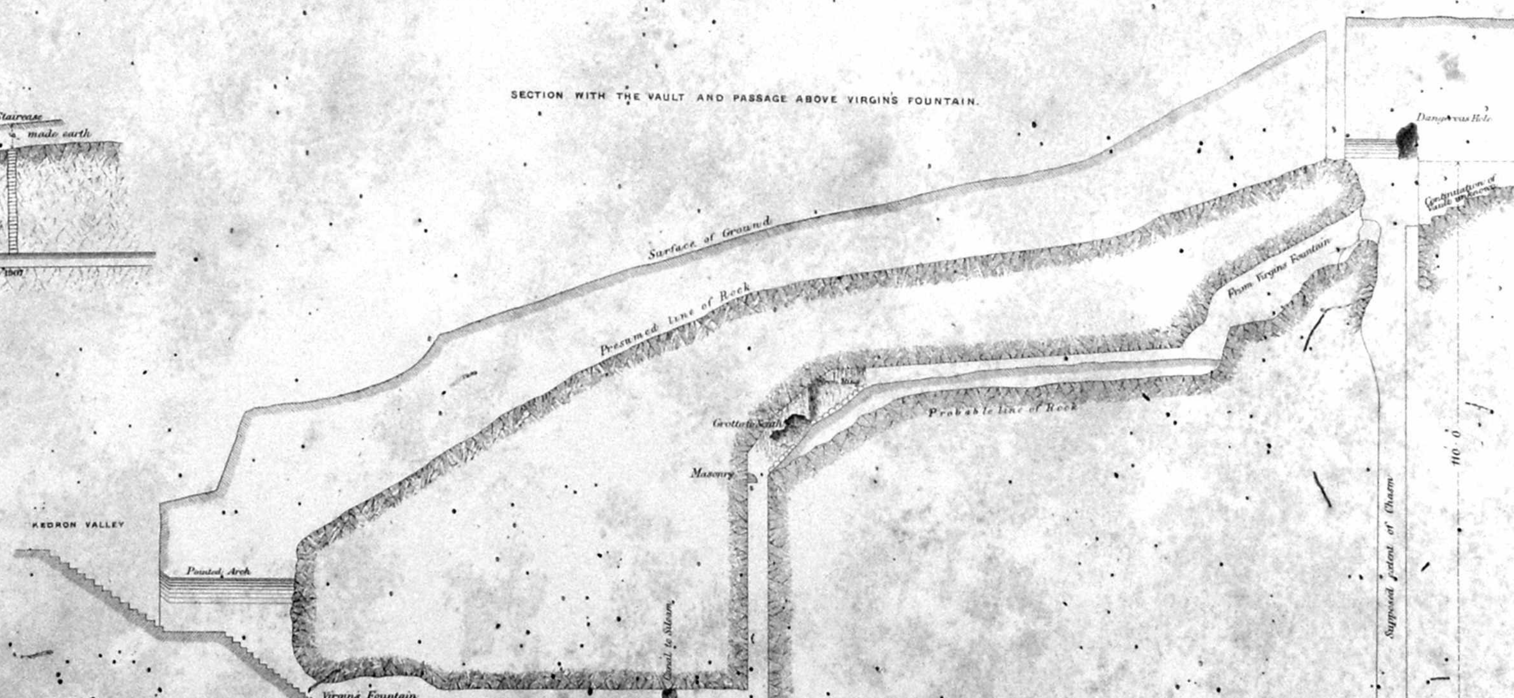


GLASS LAMP DISCOVERED IN ANCIENT PASSAGE AT OPHEL ⅓ SIZE
TWO PERFECT & ONE BROKEN ALL OF ONE PATTERN & SIZE.

SECTION SHEWING AQUEDUCT NEAR BIR EYUB.



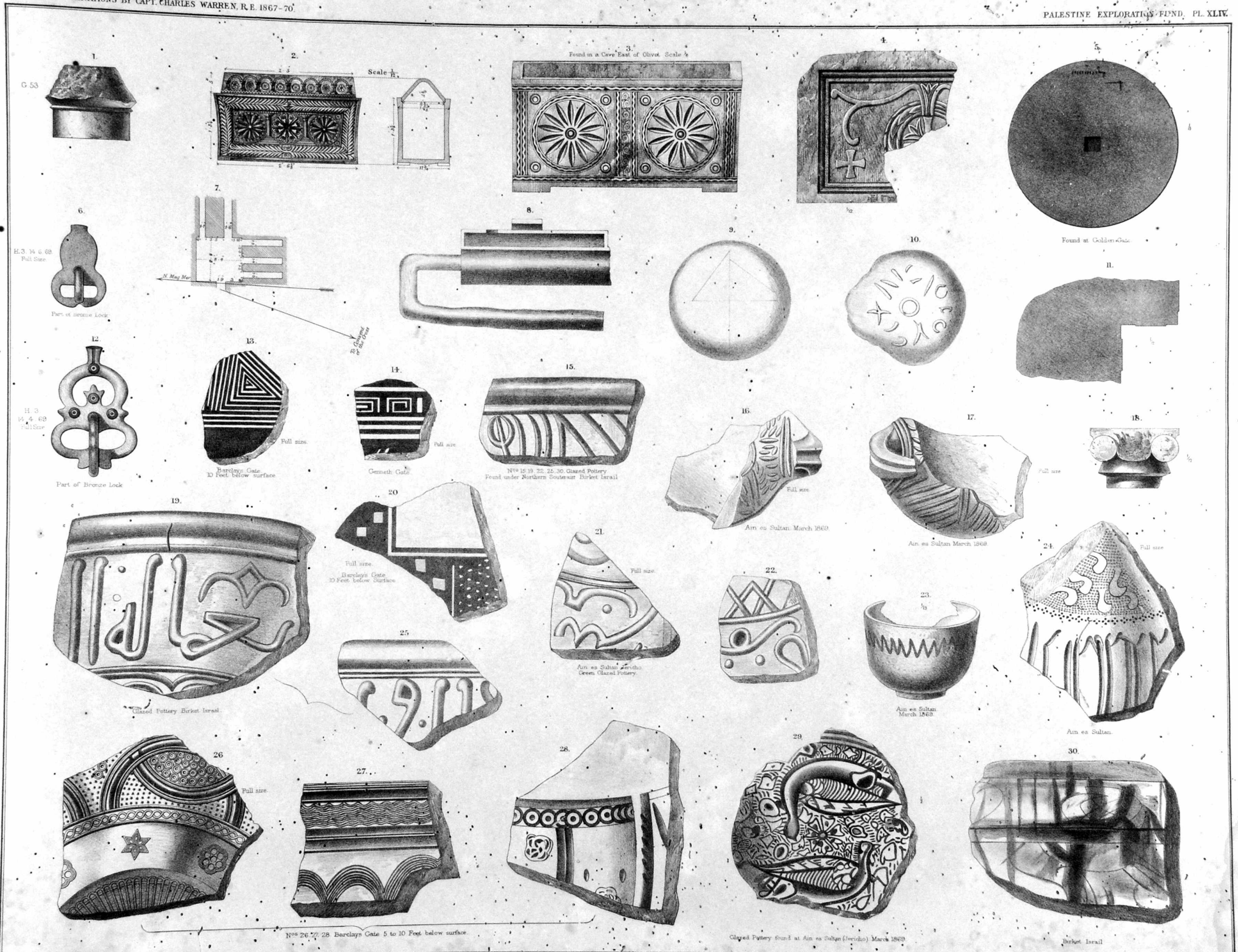
SECTION WITH THE VAULT AND PASSAGE ABOVE VIRGINS FOUNTAIN.



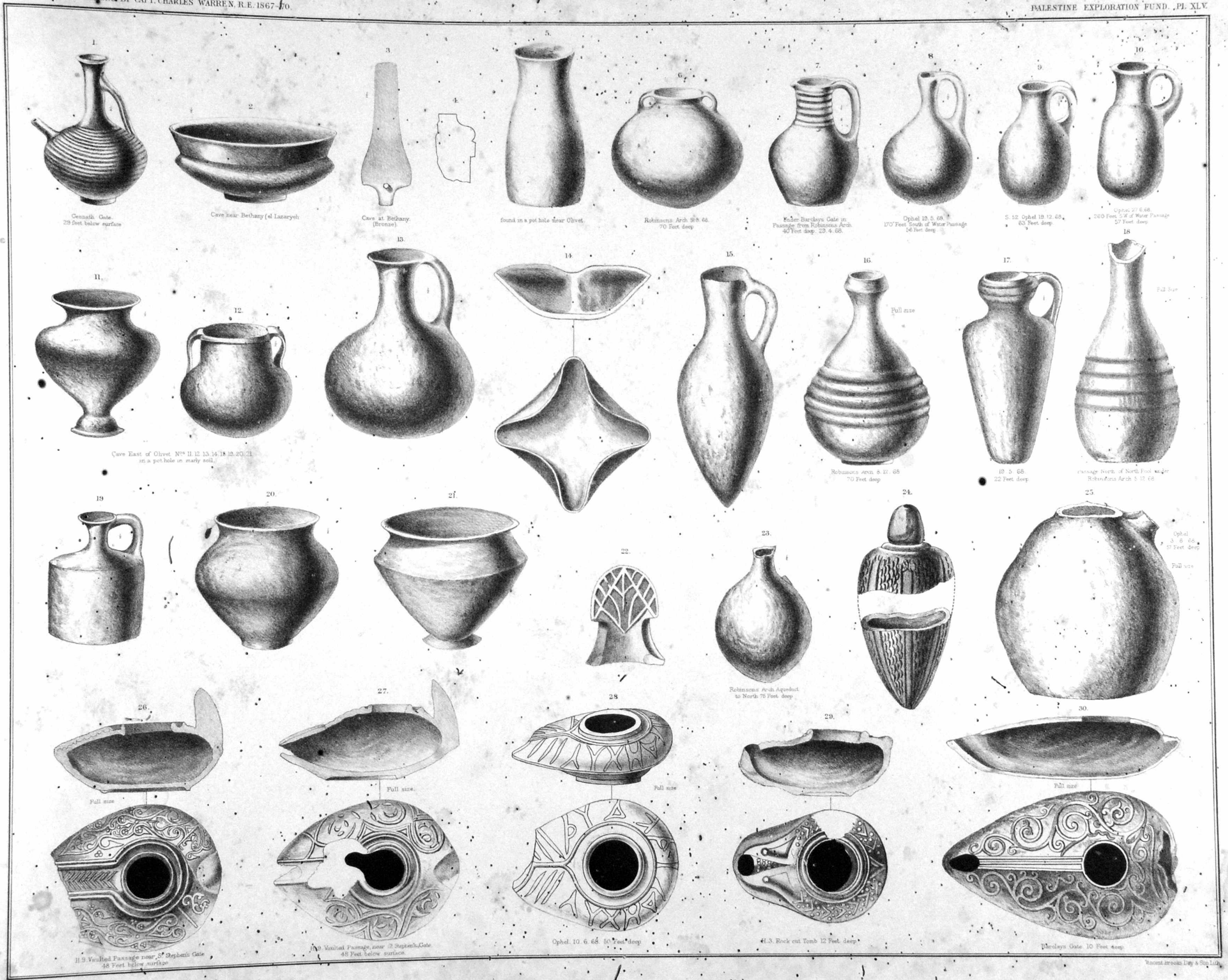
See plates III & XLIII

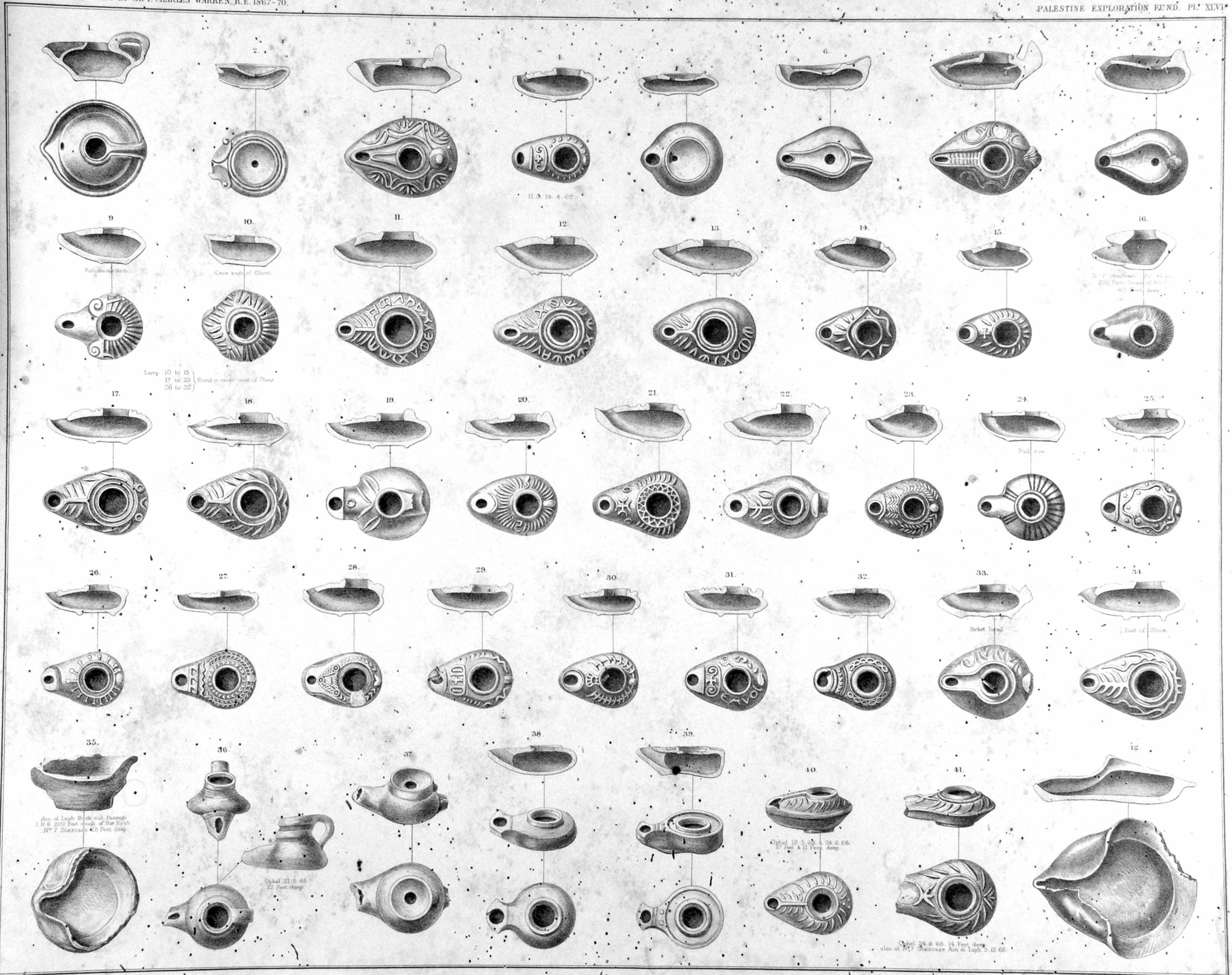
From measurements taken by Captn Warren R.E.
and Sergt H. Birtles. R.E

Charles Warren

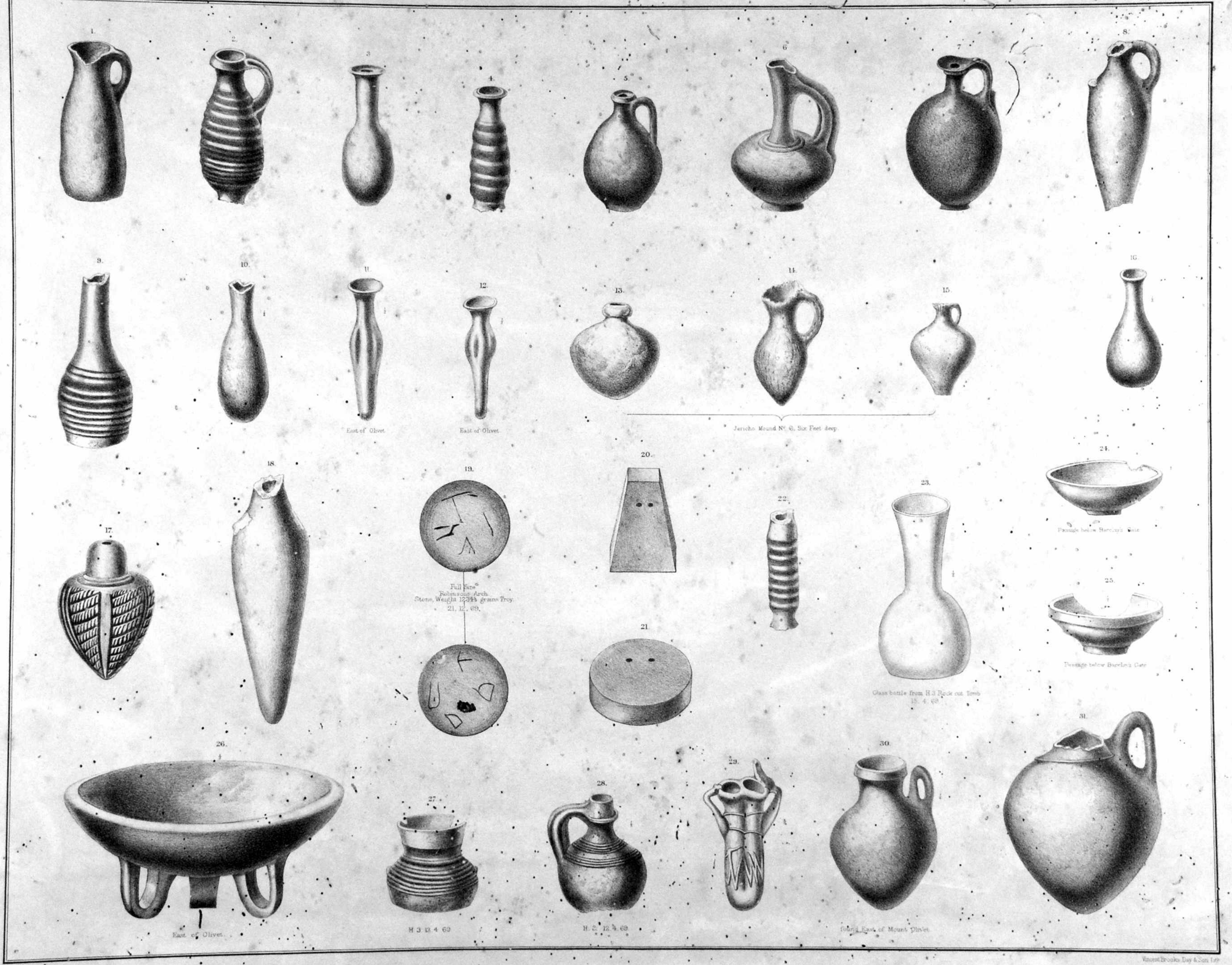


Vincent Brooks Day & Son Lith.

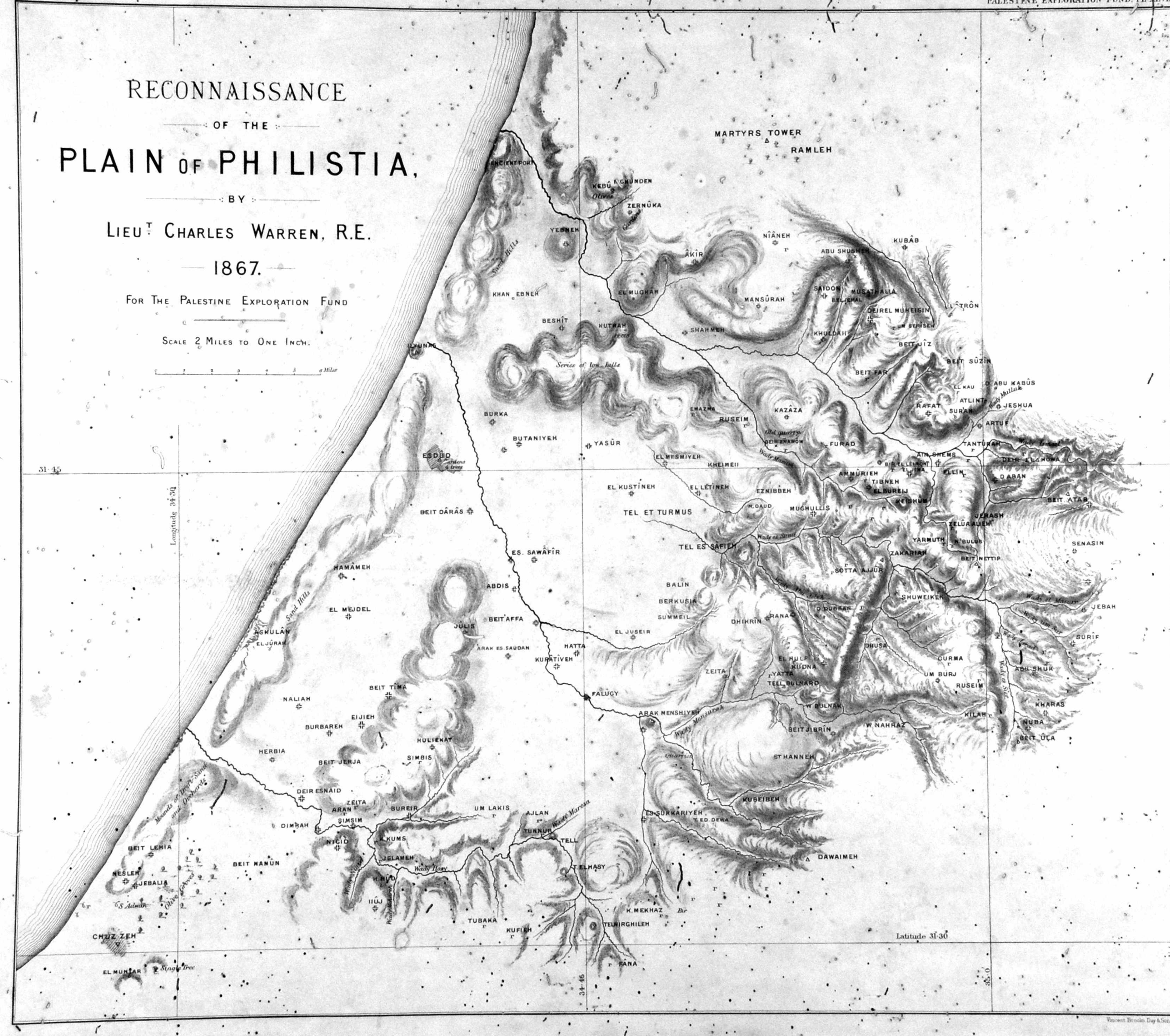

1.
Gennath Gate.
29 feet below surface
2.
Cave near Bethany (el Lazaryeh
3.
4.
Cave at Bethany.
(Bronze).
5.
found in a pot hole near Olivet.
6.
Robinsons Arch 9.8.68.
70 Feet deep
7.
Under Barclays Gate in
Passage from Robinsons Arch.
40 Feet deep. 23. 4. 68.
8.
Ophel 19. 5. 68.
170 Feet South of Water Passage
56 Feet deep
9.
S. 12. Ophel 19. 12. 68.
63 Feet deep
10.
Ophel 27 6.68.
280 Feet S.W of Water Passage
57 Feet deep
11.
12.
13.
14.
15.
16.
Full size
17.
18.
Full Size
Cave East of Olivet Nos 11. 12. 13. 14. 18. 19. 20. 21.
in a pot hole in marly soil.
Robinsons Arch 8. 12. 68
70 Feet deep
19. 5. 68.
22 Feet deep
Passage North of North Pool under
Robinsons Arch 5. 12. 68.
19
20.
21.
22.
23.
Robinsons Arch Aqueduct
to North 76 Feet deep
24.
25.
Ophel
3. 6. 68.
57 Feet deep
Full size
26.
Full size
27.
Full size.
28.
Full size
29.
30.
Full size
H.9. Vaulted Passage near St. Stephen's Gate
48 Feet below surface
H.9. Vaulted Passage, near St. Stephen's Gate.
48 Feet below surface.
Ophel. 10. 6. 68. 50 Feet deep
H.3. Rock cut Tomb 12 Feet deep
Barclays Gate. 10 Feet deep
Vincent Brooks Day & Son Lith.

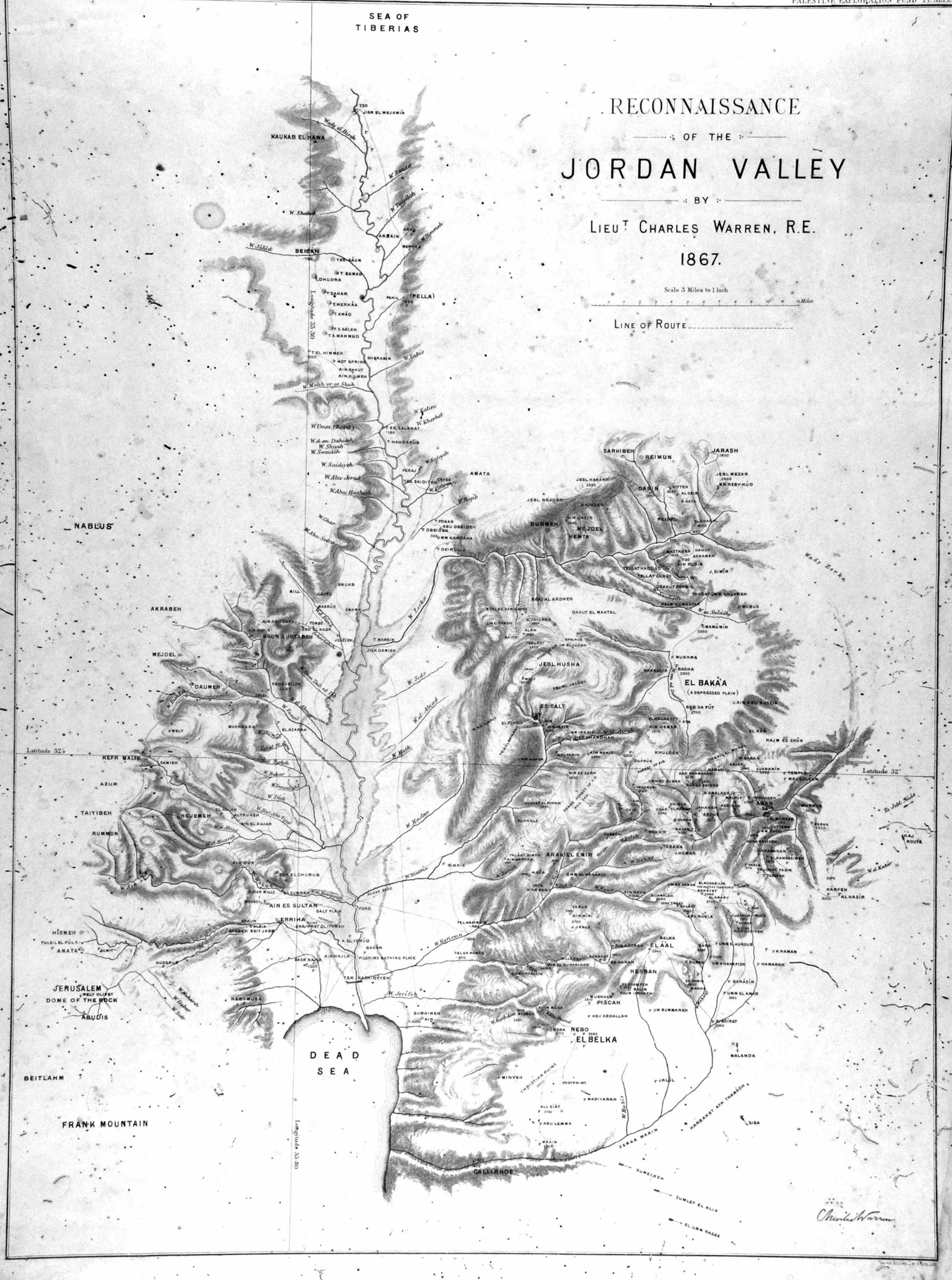


Vincent Brooks Day & Son Lith.



Vincent Brooks Day & Son Lith


RECONNAISSANCE
OF THE
PLAIN OF PHILISTIA,
BY
LIEUT CHARLES WARREN, R.E.
1867.
FOR THE PALESTINE EXPLORATION FUND
SCALE 2 MILES TO ONE INCH.
MARTYRS TOWER
RAMLEH
ANCIENT PORT
KEBÛ
GHUNDEN
ZERNÛKA
YEBNEH
Sand Hills
ÂKIR
NÎÂNEH
KUBÂB
ABU SHUSHEH
EL MUGHAR
MANSÛRAH
SAIDON
KHAN EBNEH
BESHÎT
KUTRAH
SHAHMEH
KHULDAH
BEIT ÛIZ
BEIT SÛZIN
BEIT FAR
Series of low hills
KAZÂZA
RAFAT
ARTUF
JESHUA
BURKA
EMAZMA
RUSEIM
BUTANIYEH
YASÛR
FURAD
TANTURAH
ESDÛD
EL MESMIYEH
KHEIMEH
AIN SHEMS
ELLIN
AMMÛRIEH
TIBNEH
EL BUREIJ
EL KUSTINEH
EL LETINEH
EZNIBBEH
KEISHUM
BEIT ATAB
BEIT DÂRÂS
TEL ET TURMUS
MUGHULLIS
JERASH
ZELUÂ AUEH
TEL ES SAFIEH
YARMUTH
SENASIN
ES. SAWAFÎR
ZAKARIAH
BEIT NETTIP
HAMÂMEH
SOTTA AJJÛR
ABDIS
BALIN
SHUWEIKEH
BERKUSIA
JEBAH
EL MEJDEL
SUMMEIL
DHIKRIN
JÛLIS
BEIT AFFA
ASKULÂN
EL JURAH
EL JUSEIR
SURIF
ARAK ES SAUDAN
HATTA
KURATIYEH
DHUSA
CURMA
ZEITA
UM BURJ
RUSEIM
BEIT TIMA
NALIAH
FALUGY
TELL BULNARD
W BULNAK
KHARAS
KILAH
ARAK MENSHIYEH
Wady Mansura
EIJIEH
BURBAREH
BEIT JIBRÎN
W NAHRAZ
NUBA
BEIT ÛLA
HULIEKAT
HERBIA
BEIT JERJA
SIMBIS
ST HANNEH
DEIR ESNAID
KUSEIBEH
ZEITA
ARAN
BUREIR
UM LAKIS
AJLAN
ES SUKKARIYEH
DIMRAH
SIMSIM
TUNNUR
Wady Maresa
TELL
NIGID
KUMS
BEIT LEHIA
JELAMEH
BEIT HANUN
Wady Hasi
T EL HASY
DAWAIMEH
NESLEH
JEBALIA
Olive Groves
IIUJ
K. MEKHAZ
TUBAKA
KUFIEH
TELNIRGHILEH
CHUZ ZEH
Latitude 31·30
Longitude 34·30
Single Tree
EL MUNTAR
FANA
34·45
35·0
31·45
Vincent Brooks Day & Son Lith


RECONNAISSANCE
OF THE
JORDAN VALLEY
BY
LIEUT CHARLES WARREN, R.E.
1867.
Scale 3 Miles to 1 Inch
LINE OF ROUTE
SEA OF TIBERIAS
KAUKAB EL HAWA
BEISAN
(PELLA)
NABLUS
AMATA
SARKIBEH
REIMUN
JARASH
EL BAKA'A
(A DEPRESSED PLAIN)
ES SALT
JEBL HUSHA
AKRABEH
MEJDEL
DAUMEH
KEFR MALIK
AZUR
TAIYIBEH
RUMMON
NEUEMEH
AIN ES SULTAN
ERRIHA
HISMEH
ANATA
JERUSALEM
DOME OF THE ROCK
ABUDIS
BEITLAHM
FRANK MOUNTAIN
DEAD SEA
ARAK EL EMIR
AMAN
HESBAN
ELAAL
PISCAH
NEBO
EL BELKA
MALANDA
CALLIRHOE
Wady Zerka
Latitude 32°
Longitude 35.30
Charles Warren